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GROUND TRUTH CROP PROPORTION SUMMARIES FOR U.S. SEGMENTS, 1976-1979

3. D. Rice and T. Wessling

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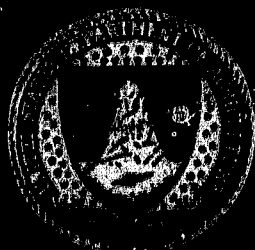
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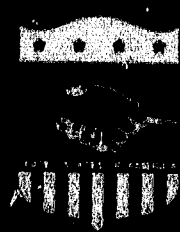


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16. Abstract This report contains a summary of ground truth crop proportions in a number of 5x6 mile segments in agricultural areas of the United States in 1976 through 1979. The original ground truth data had been collected, digitized, and registered to Landsat data for use in the LACIE and AgRISTARS projects. We consolidated the numerous ground truth categories into fewer classes of crops or crop conditions and counted occurrences of these classes for each segment. Tables are presented in which the individual entries are the percentage of total segment area assigned to a given class. The ground truth summaries were prepared from a 20% sample of the scene (one line in 5). An analysis indicates that this size of sample provides sufficient accuracy for use of the data in initial segment screening ($\sigma \leq 0.003$).			
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TECHNICAL REPORT

**GROUND TRUTH CROP PROPORTION SUMMARIES
FOR U.S. SEGMENTS, 1976-1979**

BY

Daniel Rice and Thomas Wessling

**This report describes an effort carried out as part
of the AgRISTARS Supporting Research Project.**

**Environmental Research Institute of Michigan
P.O. Box 8618
Ann Arbor, Michigan 48107**

October 1981



PREFACE

The Agriculture and Resources Inventory Surveys Through Aerospace Remote Sensing program, AgRISTARS, is a six-year program of research, development, evaluation, and application of aerospace remote sensing for agricultural resources, which began in Fiscal Year 1980. This program is a cooperative effort of the National Aeronautics and Space Administration, the U.S. Agency for International Development, and the U.S. Departments of Agriculture, Commerce, and the Interior. AgRISTARS consists of eight individual projects.

The work reported herein was sponsored by the Supporting Research (SR) Project under the auspices of the National Aeronautics and Space Administration, NASA. Robert B. MacDonald, NASA Johnson Space Center, was the NASA Manager of the SR Project and Dr. Cecil R. Hallum was the Technical Coordinator for the reported effort.

The Environmental Research Institute of Michigan and the Space Sciences Laboratory of the University of California at Berkeley comprised a consortium having responsibility for development of corn/soybeans area estimation procedures for use on data from South America within both the Supporting Research and Inventory Technology Development Projects. Other supporting research activities are also conducted by them.

This reported research, directed at summarizing ground truth data for Landsat segments in the United States, was performed within the Environmental Research Institute of Michigan's Infrared and Optics Division, headed by Richard R. Legault, a Vice-President of ERIM, under the technical direction of Robert Horvath, Program Manager, and Dr. William A. Malila, Task Leader.



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INTRODUCTION

This report contains a summary of crop proportions present in ground truth data collected for a number of segments in agricultural areas of the United States from 1976 through 1979. The production of the ground truth data was an effort performed under the LACIE and AgRISTARS programs by several cooperating agencies. The original data were collected and recorded on base maps by ground enumerators from the U.S. Department of Agriculture. The aerial photographs used as base maps by the enumerators were provided by NASA/JSC. The enumerators recorded crop type and condition and field boundaries on the base maps. These annotated base maps were then digitized and registered to Landsat data for NASA/JSC by the Lockheed Engineering and Management Services Company (1977-1979 data) and ERIM (1976 data). Each crop class is represented by a numerical code on computer tapes.

The resulting ground truth, which is registered to Landsat imagery, provides a useful base for conducting experiments on the use of remote sensing data for crop identification and estimation. However, segment selection on the basis of crops present is difficult without a concise description of the codes present in each segment. Therefore, we extracted the digital ground truth codes, tabulated all categories, and compiled them into a computer data base. Since this tabulation is too lengthy for inclusion in this report, it was condensed and summarized into the shorter form presented in Section 5.



DESCRIPTION OF DATA BASE

Ground truth crop proportion summaries are presented in Section 5 for a total of 402 ground truth summaries (one segment for one year) on 346 segments located in 29 states. Not all segments for which registered ground truth images exist are presented in this report. The ground truth was collected during the years 1976 through 1979.

Each segment consists of a 5x6 mile area corresponding to 117 lines of Landsat data and 196 pixels per line. Ground truth was recorded for individual subpixels, where an array of 2 subpixels along a line and 3 subpixels down constitutes a complete pixel. The ground truth assigns the subpixels to individual fields or groups of fields and identifies the crop or cover type and crop condition.

The location (state, county, latitude, and longitude), segment number, and data collection year are presented in Tables 1 and 2 for each of these segments. Both tables contain exactly the same information, but presented in a different order. Table 1 is sorted in order of year and segment number. This order is used for the ground truth summaries presented later in this report. For convenience, Table 2 is sorted by state and county, and identifies all years of a segment on a single line.

A few segment numbers were assigned to different 5x6 mile locations in different years. The tables were made to account correctly for this situation. The segments affected are 1035, 1154, 1159, 1219, 1239, 1566, 1811, and 1891.

The numeric codes used to specify crop types or conditions have varied from year to year in the ground truth. To account for this variation, a set of 54 year-independent crop classes was formed, into which the originally assigned codes were mapped. These classes, presented in Table 3, are used with some further consolidation in the ground truth summaries presented in this report.

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
1019	1976	Kansas	Norton	39°49'	100°05'
1020	1976	Kansas	Rawlins	39°41'	101°07'
1035	1976	Kansas	Ford	37°44'	99°58'
1041	1976	Kansas	Meade	37°19'	100°16'
1154	1976	Kansas	Hitchell	39°25'	98°00'
1159	1976	Kansas	Jackson	39°25'	95°35'
1163	1976	Kansas	Coffey	38°15'	95°38'
1164	1976	Kansas	Johnson	39°36'	95°53'
1165	1976	Kansas	Linn	38°10'	94°53'
1166	1976	Kansas	Lyons	38°39'	96°02'
1167	1976	Kansas	Shawnee	39°04'	95°43'
1169	1976	Kansas	Comanche	37°00'	99°16'
1171	1976	Kansas	Harvey	37°56'	97°26'
1172	1976	Kansas	Kingman	37°24'	98°00'
1176	1976	Kansas	Sumner	37°06'	97°15'
1178	1976	Kansas	Bourbon	39°22'	95°47'
1179	1976	Kansas	Butler	37°35'	97°00'
1180	1976	Kansas	Cherokee	37°04'	94°50'
1181	1976	Kansas	Cowley	38°10'	99°16'
1183	1976	Kansas	Labette	37°04'	95°27'
1184	1976	Kansas	Wilson	37°34'	95°37'
1603	1976	N. Dakota	Mountrail	48°06'	102°43'
1614	1976	N. Dakota	Pierce	48°31'	100°10'
1618	1976	N. Dakota	Grand Forks	47°44'	97°32'
1624	1976	N. Dakota	Walsh	48°19'	97°38'
1637	1976	N. Dakota	Stutsman	47°15'	99°19'
1642	1976	N. Dakota	Cass	46°44'	97°34'
1645	1976	N. Dakota	Trail	47°33'	96°56'
1651	1976	N. Dakota	Slope	46°20'	103°23'
1655	1976	N. Dakota	Grant	46°42'	101°48'
1656	1976	N. Dakota	Morton	46°36'	101°13'
1660	1976	N. Dakota	Logan	46°37'	99°27'
1661	1976	N. Dakota	Mc Intosh	46°16'	99°45'
1662	1976	N. Dakota	Ramson	46°24'	98°02'
1663	1976	N. Dakota	Richland	46°23'	96°44'
1851	1976	Kansas	Graham	39°33'	99°57'
1852	1976	Kansas	Lane	38°30'	100°26'
1854	1976	Kansas	Scott	38°30'	100°41'
1855	1976	Kansas	Trego	39°08'	99°44'
1857	1976	Kansas	Grant	37°41'	101°08'
1860	1976	Kansas	Hodgeman	38°08'	99°42'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
1861	1976	Kansas	Kearny	38°12'	101°29'
1865	1976	Kansas	Stevens	37°12'	101°09'
1880	1976	Kansas	Ellis	38°57'	99°15'
1882	1976	Kansas	Lincoln	39°01'	97°59'
1884	1976	Kansas	Mc Pherson	38°26'	97°25'
1886	1976	Kansas	Rush	38°30'	99°20'
1887	1976	Kansas	Russell	39°07'	98°55'
1891	1976	Kansas	Reno	37°58'	98°25'
1000	1977	Colorado	Logan	40°34'	102°54'
1005	1977	Colorado	Cheyenne	38°49'	102°20'
1007	1977	Colorado	Kiowa	38°29'	103°06'
1079	1977	Texas	Floyd	34°05'	101°13'
1094	1977	Colorado	Dolores	37°50'	108°50'
1102	1977	Montana	Yellowstone	45°57'	108°20'
1104	1977	Montana	Rosebud	46°14'	106°20'
1158	1977	Kansas	Washington	39°41'	97°06'
1166	1977	Kansas	Lyons	38°39'	96°02'
1180	1977	Kansas	Cherokee	37°04'	94°50'
1183	1977	Kansas	Labette	37°04'	95°27'
1219	1977	Oklahoma	Ellis	36°03'	99°44'
1220	1977	Kansas	Harper	36°53'	99°39'
1222	1977	Oklahoma	Blaine	35°42'	98°28'
1223	1977	Oklahoma	Custer	35°35'	98°47'
1228	1977	Oklahoma	Commanche	34°37'	98°32'
1231	1977	Oklahoma	Jackson	34°34'	99°28'
1233	1977	Oklahoma	Tillman	34°36'	99°01'
1236	1977	Oklahoma	Grant	36°43'	97°56'
1239	1977	Oklahoma	Nobel	36°16'	97°02'
1279	1977	Kansas	Cheyenne	39°41'	101°28'
1325	1977	Texas	Coleman	31°32'	99°18'
1355	1977	Oklahoma	Beaver	36°35'	100°00'
1362	1977	Oklahoma	Caddo	35°00'	98°18'
1365	1977	Oklahoma	Garfield	36°30'	97°32'
1367	1977	Oklahoma	Major	36°21'	98°31'
1371	1977	Texas	Deaf Smith	35°08'	102°58'
1378	1977	Nebraska	Box Butte	42°06'	102°50'
1398	1977	Nebraska	Cass	40°58'	95°57'
1450	1977	Nebraska	Seward	41°01'	97°14'
1479	1977	Nebraska	Harlan	40°04'	99°29'
1489	1977	S. Dakota	Walworth	45°29'	99°42'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
1498	1977	S. Dakota	Codington	44°57'	97°02'
1502	1977	Colorado	Larimer	40°27'	105°01'
1507	1977	Colorado	Weld	40°49'	104°22'
1512	1977	Minnesota	Clay	47°01'	96°22'
1513	1977	Minnesota	Kittson	48°52'	97°06'
1515	1977	Minnesota	Norman	47°22'	96°30'
1520	1977	Minnesota	Big Stone	45°21'	96°22'
1521	1977	Minnesota	Grant	46°05'	96°01'
1522	1977	Minnesota	Otter Tail	46°19'	95°34'
1529	1977	Montana	Blaine	48°27'	108°37'
1532	1977	Montana	Daniels	48°55'	105°55'
1537	1977	Montana	McCone	47°27'	105°30'
1544	1977	Montana	Sheridan	48°43'	104°24'
1560	1977	Nebraska	Banner	41°29'	104°00'
1564	1977	Nebraska	Deuel	41°06'	102°08'
1566	1977	Nebraska	Kimball	41°02'	103°43'
1576	1977	Nebraska	Lancaster	40°52'	96°50'
1577	1977	Nebraska	Platte	41°22'	97°36'
1586	1977	Nebraska	Perkins	40°46'	101°20'
1592	1977	Nebraska	Clay	40°24'	98°11'
1594	1977	Nebraska	Gage	40°16'	96°53'
1595	1977	Nebraska	Saline	40°27'	97°08'
1606	1977	N. Dakota	Ward	48°16'	101°22'
1616	1977	N. Dakota	Cavalier	48°39'	98°21'
1619	1977	N. Dakota	Grand Forks	48°04'	97°30'
1625	1977	N. Dakota	Dunn	47°16'	102°33'
1637	1977	N. Dakota	Stutsman	47°15'	99°19'
1640	1977	N. Dakota	Barnes	46°55'	97°51'
1644	1977	N. Dakota	Steele	47°29'	97°31'
1648	1977	N. Dakota	Bowman	46°04'	103°06'
1652	1977	N. Dakota	Stark	46°56'	102°50'
1669	1977	S. Dakota	Perkins	45°55'	102°48'
1675	1977	S. Dakota	McPherson	45°56'	99°13'
1681	1977	S. Dakota	Roberts	45°32'	96°48'
1686	1977	S. Dakota	Hand	44°14'	98°58'
1694	1977	S. Dakota	Lyman	43°51'	100°06'
1699	1977	S. Dakota	Hyde	44°28'	99°27'
1725	1977	Montana	Flathead	48°19'	114°12'
1741	1977	Montana	Toole	48°21'	111°19'
1742	1977	Montana	Cascade	47°23'	111°00'
1747	1977	Montana	Judith Basin	46°54'	109°59'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seq</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
1750	1977	Montana	Gallatin	45°35'	111°07'
1752	1977	Montana	Park	45°54'	110°36'
1753	1977	Montana	Stillwater	45°54'	109°18'
1803	1977	S. Dakota	Shannon	43°03'	102°19'
1805	1977	S. Dakota	Gregory	43°08'	99°20'
1807	1977	S. Dakota	Bon Homme	43°03'	97°57'
1811	1977	S. Dakota	Hutchinson	43°26'	97°41'
1830	1977	Minnesota	Red Lake	47°55'	96°25'
1835	1977	Minnesota	Otter Tail	46°20'	95°57'
1839	1977	Minnesota	Swift	45°15'	95°44'
1849	1977	Minnesota	Sibley	44°36'	94°14'
1850	1977	Colorado	Baca	37°29'	102°48'
1859	1977	Kansas	Hamilton	38°03'	101°38'
1873	1977	Minnesota	Lincoln	44°16'	96°14'
1894	1977	Minnesota	Nobles	43°38'	95°34'
1897	1977	N. Dakota	Mc Henry	48°29'	100°54'
1899	1977	N. Dakota	Walsh	48°32'	97°17'
1913	1977	N. Dakota	Hettinger	46°33'	102°47'
1924	1977	N. Dakota	La Moure	46°28'	98°50'
1927	1977	N. Dakota	Sargent	46°07'	97°58'
1937	1977	Montana	Pondera	48°10'	111°50'
1944	1977	Montana	Sheridan	48°58'	104°40'
107	1978	Illinois	Boone	42°11'	88°49'
123	1978	Indiana	Hamilton	40°08'	86°04'
127	1978	Indiana	Montgomery	40°13'	86°51'
133	1978	Indiana	Whitley	41°08'	85°40'
134	1978	Iowa	Butler	42°43'	92°40'
135	1978	Iowa	Chickasaw	43°08'	92°24'
141	1978	Iowa	Madison	41°28'	94°01'
142	1978	Iowa	O'Brien	43°02'	95°24'
144	1978	Iowa	Wapello	40°58'	92°18'
145	1978	Iowa	Warren	41°23'	93°29'
146	1978	Kentucky	Ballard	37°07'	88°58'
153	1978	Kentucky	Crittenden	37°15'	88°09'
161	1978	Kentucky	Mc Cracken	37°02'	88°44'
174	1978	Louisiana	Morehouse	32°55'	91°38'
175	1978	Louisiana	Red River	32°10'	93°22'
178	1978	Michigan	Ingham	42°40'	84°17'
180	1978	Michigan	Kent	43°16'	85°46'
183	1978	Minnesota	Freeborn	43°47'	93°26'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
184	1978	Minnesota	Goodhue	44°27'	92°52'
185	1978	Minnesota	Traverse	45°49'	96°27'
190	1978	Mississippi	Hinds	32°21'	90°37'
194	1978	Mississippi	Noxubee	33°11'	88°33'
195	1978	Mississippi	Pontotoc	34°18'	89°05'
196	1978	Mississippi	Sharkey	32°45'	90°53'
198	1978	Mississippi	Tunica	34°34'	90°18'
200	1978	Mississippi	Yazoo	32°46'	90°09'
202	1978	Missouri	Atchison	40°19'	95°13'
204	1978	Missouri	Callaway	38°58'	92°02'
205	1978	Missouri	Clark	40°22'	91°31'
209	1978	Missouri	Gentry	40°19'	94°26'
211	1978	Missouri	Grundy	40°10'	93°23'
215	1978	Missouri	Lincoln	39°05'	91°08'
216	1978	Missouri	Mercer	40°20'	93°23'
221	1978	Nebraska	Antelope	42°22'	98°11'
222	1978	Nebraska	Dawson	40°54'	99°57'
240	1978	S. Dakota	Brookings	44°18'	96°53'
241	1978	S. Dakota	Deuel	44°58'	96°34'
246	1978	Wisconsin	Dane	42°55'	89°23'
247	1978	Wisconsin	Eau Claire	44°44'	91°15'
800	1978	Iowa	Clinton	41°49'	90°39'
804	1978	Iowa	Marshall	42°01'	93°09'
807	1978	Illinois	Henry	41°20'	90°10'
809	1978	Illinois	Ogle	42°00'	89°30'
812	1978	Mississippi	Bolivar	33°45'	90°48'
824	1978	Illinois	Iroquois	40°55'	88°02'
828	1978	Illinois	Kankakee	41°05'	88°02'
832	1978	Indiana	Adams	40°47'	84°53'
837	1978	Indiana	Benton	40°31'	87°13'
840	1978	Indiana	Delaware	40°17'	85°17'
842	1978	Indiana	Henry	39°47'	85°25'
843	1978	Indiana	Henry	40°02'	85°25'
844	1978	Indiana	Jasper	40°53'	86°59'
848	1978	Indiana	Madison	40°08'	85°49'
851	1978	Indiana	Newton	40°48'	87°23'
852	1978	Indiana	Randolph	40°02'	85°10'
853	1978	Indiana	Randolph	40°02'	84°54'
854	1978	Indiana	Tippecanoe	40°31'	87°02'
856	1978	Indiana	Warren	40°23'	87°07'
860	1978	Indiana	Wells	40°47'	85°17'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
862	1978	Iowa	Calhoun	42°18'	94°50'
864	1978	Iowa	Crawford	41°57'	95°38'
865	1978	Iowa	Crawford	41°57'	95°22'
867	1978	Iowa	Emmet	43°18'	94°35'
870	1978	Iowa	Hancock	43°03'	93°38'
874	1978	Iowa	Humboldt	42°48'	94°02'
877	1978	Iowa	Ida	42°32'	95°39'
878	1978	Iowa	Kossuth	42°58'	94°18'
880	1978	Iowa	Monona	41°56'	96°02'
881	1978	Iowa	Monona	42°07'	95°46'
882	1978	Iowa	Palo Alto	42°58'	94°51'
883	1978	Iowa	Palo Alto	43°08'	94°51'
886	1978	Iowa	Pottawattamie	41°17'	95°21'
890	1978	Iowa	Sac	42°27'	95°07'
891	1978	Iowa	Shelby	41°42'	95°30'
892	1978	Iowa	Shelby	41°37'	96°13'
893	1978	Iowa	Webster	42°23'	91°10'
894	1978	Iowa	Webster	42°33'	94°10'
895	1978	Iowa	Woodbury	42°21'	96°03'
1003	1978	Colorado	Adams	39°51'	104°08'
1009	1978	Nebraska	Hall	40°56'	98°35'
1023	1978	Kansas	Thomas	39°15'	100°54'
1035	1978	Kansas	Sherman	39°29'	101°51'
1041	1978	Kansas	Meade	37°19'	100°16'
1047	1978	Kansas	Stanton	37°29'	101°48'
1075	1978	Nebraska	Howard	41°10'	98°27'
1077	1978	Texas	Castro	34°29'	102°25'
1091	1978	Colorado	Washington	40°16'	103°18'
1151	1978	Kansas	Clay	39°22'	97°05'
1154	1978	S. Dakota	Jones	43°52'	100°42'
1156	1978	Kansas	Atchison	39°30'	95°15'
1159	1978	Nebraska	Johnson	40°22'	96°15'
1173	1978	Kansas	Kiowa	37°36'	99°10'
1175	1978	Kansas	Sedgwick	37°46'	97°32'
1229	1978	Kansas	Reno	37°50'	97°53'
1239	1978	Kansas	Chase	38°12'	96°44'
1253	1978	Oklahoma	Sequoyah	35°23'	94°30'
1281	1978	Kansas	Rawlins	39°56'	101°05'
1286	1978	Kansas	Sheridan	39°25'	100°10'
1299	1978	Kansas	Rice	38°25'	98°21'
1341	1978	Kansas	Brown	39°57'	95°28'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
1346	1978	Colorado	Morgan	40°03'	103°34'
1377	1978	Texas	Lubbock	33°50'	101°58'
1379	1978	Nebraska	Cheyenne	41°22'	102°48'
1380	1978	Minnesota	Redwood	44°35'	95°13'
1382	1978	Nebraska	Sheridan	42°48'	102°28'
1387	1978	N. Dakota	Ramsey	48°27'	98°38'
1388	1978	Nebraska	Dixon	42°20'	96°55'
1392	1978	N. Dakota	Benson	47°57'	99°14'
1394	1978	N. Dakota	Burke	48°52'	102°23'
1457	1978	N. Dakota	Ward	48°16'	101°46'
1461	1978	N. Dakota	Pierce	48°13'	99°59'
1467	1978	N. Dakota	Towner	48°42'	99°23'
1472	1978	N. Dakota	Barnes	46°42'	98°07'
1473	1978	N. Dakota	Cass	47°10'	96°54'
1476	1978	Nebraska	Lincoln	40°59'	100°40'
1485	1978	S. Dakota	Dewey	45°28'	100°52'
1499	1978	Oklahoma	Carter	34°18'	97°00'
1502	1978	Colorado	Larimer	40°27'	105°01'
1518	1978	Minnesota	Roseau	48°35'	96°15'
1537	1978	Montana	Mc Cone	47°27'	105°30'
1542	1978	Montana	Roosevelt	48°17'	105°16'
1544	1978	Montana	Sheridan	48°43'	104°24'
1553	1978	Montana	Carter	45°53'	104°44'
1566	1978	Minnesota	Grant	45°52'	95°50'
1567	1978	Minnesota	Carver	44°46'	93°48'
1572	1978	Nebraska	Custer	41°30'	99°28'
1583	1978	Nebraska	Hitchcock	40°12'	101°04'
1584	1978	N. Dakota	Pembina	48°49'	97°15'
1591	1978	Nebraska	Webster	40°04'	98°20'
1594	1978	Nebraska	Gage	40°16'	96°53'
1596	1978	Nebraska	Thayer	40°12'	97°24'
1599	1978	S. Dakota	Edmunds	45°27'	98°51'
1602	1978	N. Dakota	Mountrail	48°21'	102°25'
1612	1978	N. Dakota	Mc Henry	48°03'	100°17'
1619	1978	N. Dakota	Grand Forks	48°04'	97°30'
1636	1978	N. Dakota	Stutsman	46°48'	98°32'
1650	1978	N. Dakota	Hettinger	46°32'	102°10'
1653	1978	N. Dakota	Burleigh	47°01'	100°20'
1656	1978	N. Dakota	Morton	46°36'	101°13'
1658	1978	N. Dakota	Dickey	46°05'	98°19'
1664	1978	N. Dakota	Sargent	46°11'	97°24'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
1668	1978	S. Dakota	Perkins	45°35'	102°46'
1671	1978	Oklahoma	Garvin	34°33'	97°13'
1676	1978	S. Dakota	Brule	43°36'	99°02'
1678	1978	S. Dakota	Clark	44°58'	97°36'
1695	1978	Oklahoma	Atoka	34°17'	96°23'
1725	1978	Montana	Flathead	48°19'	114°12'
1731	1978	Montana	Chouteau	47°57'	111°06'
1755	1978	S. Dakota	Jerauld	44°05'	98°54'
1784	1978	S. Dakota	Minnehaha	43°48'	97°05'
1811	1978	S. Dakota	Kingsbury	44°30'	97°20'
1825	1978	Minnesota	Norman	47°15'	96°10'
1842	1978	Minnesota	Yellow Medicine	44°43'	95°48'
1850	1978	Colorado	Baca	37°29'	102°48'
1861	1978	Kansas	Kearny	38°12'	101°29'
1872	1978	Minnesota	Cottonwood	44°01'	95°08'
1876	1978	Kansas	Ottawa	39°11'	97°28'
1877	1978	Nebraska	Morrill	41°40'	102°58'
1880	1978	Kansas	Ellis	38°57'	99°15'
1883	1978	Kansas	Marion	38°27'	96°56'
1890	1978	Kansas	Pawnee	38°07'	99°03'
1891	1978	Kansas	Mitchell	39°25'	98°21'
1909	1978	N. Dakota	Kidder	47°04'	99°42'
1918	1978	N. Dakota	Grant	46°18'	101°18'
1920	1978	N. Dakota	Sioux	46°03'	101°00'
1924	1978	N. Dakota	La Moure	46°28'	98°50'
1938	1978	Montana	Teton	47°49'	112°04'
1942	1978	Montana	Richland	47°43'	104°53'
1948	1978	Montana	Fergus	47°37'	109°20'
102	1979	Arkansas	Greene	36°12'	90°43'
103	1979	Arkansas	Jefferson	34°21'	91°53'
107	1979	Illinois	Boone	42°11'	88°49'
123	1979	Indiana	Hamilton	40°08'	86°04'
127	1979	Indiana	Montgomery	40°13'	86°51'
133	1979	Indiana	Whitley	41°08'	85°40'
144	1979	Iowa	Wapello	40°58'	92°18'
145	1979	Iowa	Warren	41°23'	93°29'
174	1979	Louisiana	Morehouse	32°55'	91°38'
187	1979	Mississippi	Benton	34°56'	89°18'
209	1979	Missouri	Gentry	40°19'	94°26'
217	1979	Missouri	Platte	39°29'	94°48'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Continued)

<u>Seq</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
230	1979	Ohio	Delaware	40°13'	82°50'
260	1979	California	Glenn	39°37'	122°00'
261	1979	California	Fresno	36°34'	120°10'
263	1979	California	Kern	35°34'	119°25'
264	1979	Arizona	Maricopa	33°14'	111°48'
268	1979	Louisiana	Jefferson Davis	30°06'	92°47'
273	1979	Louisiana	Franklin	32°06'	91°40'
274	1979	Louisiana	Tensas	31°58'	91°15'
275	1979	Texas	Wharton	29°20'	96°15'
276	1979	Texas	Wharton	29°34'	96°15'
277	1979	Texas	Chambers	29°51'	94°29'
279	1979	Texas	Jefferson	30°05'	94°22'
282	1979	Texas	Falls	31°04'	97°08'
285	1979	Texas	Sherman	36°22'	102°04'
286	1979	Texas	Bell	31°00'	97°18'
290	1979	Texas	Randall	35°10'	102°05'
292	1979	Texas	Hildago	26°07'	97°54'
297	1979	Mississippi	Tallahatchie	33°51'	90°08'
299	1979	Mississippi	Monroe	33°47'	88°39'
301	1979	Arkansas	Ashley	33°15'	91°42'
302	1979	Arkansas	St. Francis	34°56'	91°00'
304	1979	Arkansas	Poinsett	35°30'	90°50'
306	1979	Arkansas	Mississippi	35°47'	90°05'
311	1979	Georgia	Laurens	32°36'	83°02'
313	1979	Maryland	Queen Annes	39°02'	75°59'
314	1979	Maryland	Caroline	38°43'	75°50'
317	1979	Delaware	Sussex	38°49'	75°21'
318	1979	Delaware	Sussex	38°30'	75°31'
320	1979	Pennsylvania	Berks	40°29'	75°50'
323	1979	Kansas	Stevens	37°16'	101°25'
325	1979	Kansas	Marion	38°28'	97°02'
327	1979	Nebraska	Saunders	41°09'	96°30'
329	1979	Texas	Fort Bend	29°44'	95°53'
330	1979	Georgia	Screven	32°50'	81°41'
331	1979	Georgia	Bulloch	32°28'	81°53'
333	1979	Georgia	Sumter	31°58'	83°08'
336	1979	S. Carolina	Williamsburg	33°38'	79°56'
337	1979	S. Carolina	Orangeburg	33°31'	81°12'
338	1979	S. Carolina	Marlboro	34°32'	79°33'
339	1979	S. Carolina	Lee	34°15'	80°18'
341	1979	N. Carolina	Duplin	35°08'	77°55'

TABLE 1. SEGMENTS COVERED IN THIS REPORT,
LISTED BY YEAR (Concluded)

<u>Seg</u>	<u>Year</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>
343	1979	N. Carolina	Wayne	35°16'	78°03'
345	1979	Alabama	Dallas	32°30'	87°22'
804	1979	Iowa	Marshall	42°01'	93°09'
812	1979	Mississippi	Bolivar	33°45'	90°48'
824	1979	Illinois	Iroquois	40°55'	88°02'
828	1979	Illinois	Kankakee	41°05'	88°02'
837	1979	Indiana	Benton	40°31'	87°13'
843	1979	Indiana	Henry	40°02'	85°25'
851	1979	Indiana	Newton	40°48'	87°23'
854	1979	Indiana	Tippecanoe	40°31'	87°02'
856	1979	Indiana	Warren	40°23'	87°07'
883	1979	Iowa	Palo Alto	43°08'	94°51'
886	1979	Iowa	Pottawattamie	41°17'	95°21'
892	1979	Iowa	Shelby	41°37'	96°13'
893	1979	Iowa	Webster	42°23'	94°10'
1219	1979	Oklahoma	Tillman	34°15'	98°56'
1226	1979	Oklahoma	Washita	35°24'	99°11'
1357	1979	Oklahoma	Cimarron	36°39'	102°46'
1394	1979	N. Dakota	Burke	48°52'	102°23'
1457	1979	N. Dakota	Ward	48°16'	101°46'
1461	1979	N. Dakota	Pierce	48°13'	99°59'
1472	1979	N. Dakota	Barnes	46°42'	98°07'
1485	1979	S. Dakota	Dewey	45°28'	100°52'
1571	1979	N. Dakota	Dunn	47°06'	102°46'
1596	1979	Nebraska	Thayer	40°12'	97°24'
1612	1979	N. Dakota	Mc Henry	48°03'	100°17'
1627	1979	N. Dakota	Mc Kenzie	47°55'	103°32'
1630	1979	N. Dakota	Mercer	47°04'	102°07'
1636	1979	N. Dakota	Stutsman	46°48'	98°32'
1653	1979	N. Dakota	Burleigh	47°01'	100°20'
1658	1979	N. Dakota	Dickey	46°05'	98°19'
1676	1979	S. Dakota	Brule	43°36'	99°02'
1687	1979	S. Dakota	Hand	44°35'	98°58'
1755	1979	S. Dakota	Jerauld	44°05'	98°54'
1784	1979	S. Dakota	Minnehaha	43°48'	97°05'
1909	1979	N. Dakota	Kidder	47°04'	99°42'

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>		
345	Alabama	Dallas	32°30'	87°22'	<		79>
264	Arizona	Maricopa	33°14'	111°48'	<		79>
301	Arkansas	Ashley	33°15'	91°42'	<		79>
102	Arkansas	Greene	36°12'	90°43'	<		79>
103	Arkansas	Jefferson	34°21'	91°53'	<		79>
306	Arkansas	Mississippi	35°47'	90°05'	<		79>
304	Arkansas	Poinsett	35°30'	90°50'	<		79>
302	Arkansas	St. Francis	34°56'	91°00'	<		79>
261	California	Fresno	36°34'	120°10'	<		79>
260	California	Glenn	39°37'	122°00'	<		79>
263	California	Kern	35°34'	119°25'	<		79>
1003	Colorado	Adams	39°51'	104°08'	<	78	>
1850	Colorado	Baca	37°29'	102°48'	<	77 78	>
1005	Colorado	Cheyenne	38°49'	102°20'	<	77	>
1094	Colorado	Dolores	37°50'	108°50'	<	77	>
1007	Colorado	Kiowa	38°29'	103°06'	<	77	>
1502	Colorado	Larimer	40°27'	105°01'	<	77 78	>
1000	Colorado	Logan	40°34'	102°54'	<	77	>
1346	Colorado	Morgan	40°03'	103°34'	<	78	>
1091	Colorado	Washington	40°16'	103°18'	<	78	>
1507	Colorado	Weld	40°49'	104°22'	<	77	>
317	Delaware	Sussex	38°49'	75°21'	<		79>
318	Delaware	Sussex	38°30'	75°31'	<		79>
331	Georgia	Bulloch	32°28'	81°53'	<		79>
311	Georgia	Laurens	32°36'	83°02'	<		79>
330	Georgia	Screven	32°50'	81°41'	<		79>
333	Georgia	Sumter	31°58'	83°08'	<		79>
107	Illinois	Boone	42°11'	88°49'	<	78	79>
807	Illinois	Henry	41°20'	90°10'	<	78	>
824	Illinois	Iroquois	40°55'	88°02'	<	78	79>
828	Illinois	Kankakee	41°05'	88°02'	<	78	79>
809	Illinois	Ogle	42°00'	89°30'	<	78	>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>	
832	Indiana	Adams	40°47'	84°53'	<	78 >
837	Indiana	Benton	40°31'	87°13'	<	78 79>
840	Indiana	Delaware	40°17'	85°17'	<	78 >
123	Indiana	Hamilton	40°08'	86°04'	<	78 79>
122	Indiana	Henry	39°47'	85°25'	<	78 >
843	Indiana	Henry	40°02'	85°25'	<	78 79>
844	Indiana	Jasper	40°53'	86°59'	<	78 >
848	Indiana	Madison	40°08'	85°49'	<	78 >
127	Indiana	Montgomery	40°13'	86°51'	<	78 79>
851	Indiana	Newton	40°48'	87°23'	<	78 79>
853	Indiana	Randolph	40°02'	84°54'	<	78 >
852	Indiana	Randolph	40°02'	85°10'	<	78 >
854	Indiana	Tippecanoe	40°31'	87°02'	<	78 79>
856	Indiana	Warren	40°23'	87°07'	<	78 79>
860	Indiana	Wells	40°47'	85°17'	<	78 >
133	Indiana	Whitley	41°08'	85°40'	<	78 79>
134	Iowa	Butler	42°43'	92°40'	<	78 >
862	Iowa	Calhoun	42°18'	94°50'	<	78 >
135	Iowa	Chickasaw	43°08'	92°24'	<	78 >
800	Iowa	Clinton	41°49'	90°39'	<	78 >
864	Iowa	Crawford	41°57'	95°38'	<	78 >
865	Iowa	Crawford	41°57'	95°22'	<	78 >
867	Iowa	Emmet	43°18'	94°35'	<	78 >
870	Iowa	Hancock	43°03'	93°38'	<	78 >
874	Iowa	Humboldt	42°48'	94°02'	<	78 >
877	Iowa	Ida	42°32'	95°39'	<	78 >
878	Iowa	Kossuth	42°58'	94°18'	<	78 >
141	Iowa	Madison	41°28'	94°01'	<	78 >
804	Iowa	Marshall	42°01'	93°09'	<	78 79>
880	Iowa	Monona	41°56'	96°02'	<	78 >
881	Iowa	Monona	42°07'	95°46'	<	78 >
142	Iowa	O'Brien	43°02'	95°24'	<	78 >
882	Iowa	Palo Alto	42°58'	94°51'	<	78 >
883	Iowa	Palo Alto	43°08'	94°51'	<	78 79>
886	Iowa	Pottawattamie	41°17'	95°21'	<	78 79>
890	Iowa	Sac	42°27'	95°07'	<	78 >
891	Iowa	Shelby	41°42'	95°30'	<	78 >
892	Iowa	Shelby	41°37'	96°13'	<	78 79>
144	Iowa	Wapello	40°58'	92°18'	<	78 79>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seq</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>		
145	Iowa	Warren	41°23'	93°29'	<	78	79>
893	Iowa	Webster	42°23'	94°10'	<	78	79>
894	Iowa	Webster	42°33'	94°10'	<	78	>
895	Iowa	Woodbury	42°21'	96°03'	<	78	>
1156	Kansas	Atchison	39°30'	95°15'	<	78	>
1178	Kansas	Bourbon	39°22'	95°47'	<76		>
1341	Kansas	Brown	39°57'	95°28'	<	78	>
1179	Kansas	Butler	37°35'	97°00'	<76		>
1239	Kansas	Chase	38°12'	96°44'	<	78	>
1180	Kansas	Cherokee	37°04'	94°50'	<76	77	>
1279	Kansas	Cheyenne	39°41'	101°28'	<	77	>
1151	Kansas	Clay	39°22'	97°05'	<	78	>
1163	Kansas	Coffey	38°15'	95°38'	<76		>
1169	Kansas	Comanche	37°00'	99°16'	<76		>
1181	Kansas	Cowley	38°10'	99°16'	<76		>
1880	Kansas	Ellis	38°57'	99°15'	<76	78	>
1035	Kansas	Ford	37°44'	99°58'	<76		>
1851	Kansas	Graham	39°33'	99°57'	<76		>
1857	Kansas	Grant	37°41'	101°08'	<76		>
1859	Kansas	Hamilton	38°03'	101°38'	<	77	>
1220	Kansas	Harper	36°53'	99°39'	<	77	>
1171	Kansas	Harvey	37°56'	97°26'	<76		>
1860	Kansas	Hodgeman	38°08'	99°42'	<76		>
1159	Kansas	Jackson	39°25'	95°35'	<76		>
1164	Kansas	Johnson	39°36'	95°53'	<76		>
1861	Kansas	Kearny	38°12'	101°29'	<76	78	>
1172	Kansas	Kingman	37°24'	98°00'	<76		>
1173	Kansas	Kiowa	37°36'	99°10'	<	78	>
1183	Kansas	Labette	37°04'	95°27'	<76	77	>
1852	Kansas	Lane	38°30'	100°26'	<76		>
1882	Kansas	Lincoln	39°01'	97°59'	<76		>
1165	Kansas	Linn	38°10'	94°53'	<76		>
1166	Kansas	Lyons	38°39'	96°02'	<76	77	>
1883	Kansas	Marion	38°27'	96°56'	<	78	>
325	Kansas	Marion	38°28'	97°02'	<		79>
1884	Kansas	Mc Pherson	38°26'	97°25'	<76		>
1041	Kansas	Meade	37°19'	100°16'	<76	78	>
1891	Kansas	Mitchell	39°25'	98°21'	<	78	>
1154	Kansas	Mitchell	39°25'	98°00'	<76		>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seq</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>	
1019	Kansas	Norton	39°49'	100°05'	<76	>
1876	Kansas	Ottawa	39°11'	97°28'	< 78	>
1890	Kansas	Pawnee	38°07'	99°03'	< 78	>
1281	Kansas	Rawlins	39°56'	101°05'	< 78	>
1020	Kansas	Rawlins	39°41'	101°07'	<76	>
1891	Kansas	Reno	37°58'	98°25'	<76	>
1229	Kansas	Reno	37°50'	97°53'	< 78	>
1299	Kansas	Rice	38°25'	98°21'	< 78	>
1886	Kansas	Rush	38°30'	99°20'	<76	>
1887	Kansas	Russell	39°07'	98°55'	<76	>
1854	Kansas	Scott	38°30'	100°41'	<76	>
1175	Kansas	Sedgwick	37°46'	97°32'	< 78	>
1167	Kansas	Shawnee	39°04'	95°43'	<76	>
1286	Kansas	Sheridan	39°25'	100°10'	< 78	>
1035	Kansas	Sherman	39°29'	101°51'	< 78	>
1047	Kansas	Stanton	37°29'	101°48'	< 78	>
1865	Kansas	Stevens	37°12'	101°09'	<76	>
323	Kansas	Stevens	37°16'	101°25'	< 79>	
1176	Kansas	Sumner	37°06'	97°15'	<76	>
1023	Kansas	Thomas	39°15'	100°54'	< 78	>
1855	Kansas	Trego	39°08'	99°44'	<76	>
1158	Kansas	Washington	39°41'	97°06'	< 77	>
1184	Kansas	Wilson	37°34'	95°37'	<76	>
146	Kentucky	Ballard	37°07'	88°58'	< 78	>
153	Kentucky	Crittenden	37°15'	88°09'	< 78	>
161	Kentucky	Mc Cracken	37°02'	88°44'	< 78	>
273	Louisiana	Franklin	32°06'	91°40'	< 79>	
268	Louisiana	Jefferson Davis	30°06'	92°47'	< 79>	
174	Louisiana	Morehouse	32°55'	91°38'	< 78 79>	
175	Louisiana	Red River	32°10'	93°22'	< 78	>
274	Louisiana	Tensas	31°58'	91°15'	< 79>	
314	Maryland	Caroline	38°43'	75°50'	< 79>	
313	Maryland	Queen Annes	39°02'	75°59'	< 79>	

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>		
178	Michigan	Ingham	42°40'	84°17'	<	78	>
180	Michigan	Kent	43°16'	85°46'	<	78	>
1520	Minnesota	Big Stone	45°21'	96°22'	<	77	>
1567	Minnesota	Carver	44°46'	93°48'	<	78	>
1512	Minnesota	Clay	47°01'	96°22'	<	77	>
1872	Minnesota	Cottonwood	44°01'	95°08'	<	78	>
183	Minnesota	Freeborn	43°47'	93°26'	<	78	>
184	Minnesota	Goodhue	44°27'	92°52'	<	78	>
1566	Minnesota	Grant	45°52'	95°50'	<	78	>
1521	Minnesota	Grant	46°05'	96°01'	<	77	>
1513	Minnesota	Kittson	48°52'	97°06'	<	77	>
1873	Minnesota	Lincoln	44°16'	96°14'	<	77	>
1894	Minnesota	Nobles	43°38'	95°34'	<	77	>
1515	Minnesota	Norman	47°22'	96°30'	<	77	>
1825	Minnesota	Norman	47°15'	96°10'	<	78	>
1522	Minnesota	Otter Tail	46°19'	95°34'	<	77	>
1835	Minnesota	Otter Tail	46°20'	95°57'	<	77	>
1830	Minnesota	Red Lake	47°55'	96°25'	<	77	>
1380	Minnesota	Redwood	44°35'	95°13'	<	78	>
1518	Minnesota	Roseau	48°35'	96°15'	<	78	>
1849	Minnesota	Sibley	44°36'	94°14'	<	77	>
1839	Minnesota	Swift	45°15'	95°44'	<	77	>
185	Minnesota	Traverse	45°49'	96°27'	<	78	>
1842	Minnesota	Yellow Medicine	44°43'	95°48'	<	78	>
187	Mississippi	Benton	34°56'	89°18'	<	79	>
812	Mississippi	Bolivar	33°45'	90°48'	<	78	79>
190	Mississippi	Hinds	32°21'	90°37'	<	78	>
299	Mississippi	Monroe	33°47'	88°39'	<	79	>
194	Mississippi	Noxubee	33°11'	88°33'	<	78	>
195	Mississippi	Pontotoc	34°18'	89°05'	<	78	>
196	Mississippi	Sharkey	32°45'	90°53'	<	78	>
297	Mississippi	Taliahatchie	33°51'	90°08'	<	79	>
198	Mississippi	Tunica	34°34'	90°18'	<	78	>
200	Mississippi	Yazoo	32°46'	90°09'	<	78	>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>	
202	Missouri	Atchison	40°19'	95°13'	<	78 >
204	Missouri	Callaway	38°58'	92°02'	<	78 >
205	Missouri	Clark	40°22'	91°31'	<	78 >
209	Missouri	Gentry	40°19'	94°26'	<	78 79>
211	Missouri	Grundy	40°10'	93°23'	<	78 >
215	Missouri	Lincoln	39°05'	91°08'	<	78 >
216	Missouri	Mercer	40°20'	93°23'	<	78 >
217	Missouri	Platte	39°29'	94°48'	<	79>
1529	Montana	Blaine	48°27'	108°37'	<	77 >
1553	Montana	Carter	45°53'	104°44'	<	78 >
1742	Montana	Cascade	47°23'	111°00'	<	77 >
1731	Montana	Chouteau	47°57'	111°06'	<	78 >
1532	Montana	Daniels	48°55'	105°55'	<	77 >
1948	Montana	Fergus	47°37'	109°20'	<	78 >
1725	Montana	Flathead	48°19'	114°12'	<	77 78 >
1750	Montana	Gallatin	45°35'	111°07'	<	77 >
1747	Montana	Judith Basin	46°54'	109°59'	<	77 >
1537	Montana	Mc Cone	47°27'	105°30'	<	77 78 >
1752	Montana	Park	45°54'	110°36'	<	77 >
1937	Montana	Pondera	48°10'	111°50'	<	77 >
1942	Montana	Richland	47°43'	104°53'	<	78 >
1542	Montana	Roosevelt	48°17'	105°16'	<	78 >
1104	Montana	Rosebud	46°14'	106°20'	<	77 >
1944	Montana	Sheridan	48°58'	104°40'	<	77 >
1544	Montana	Sheridan	48°43'	104°24'	<	77 78 >
1753	Montana	Stillwater	45°54'	109°18'	<	77 >
1938	Montana	Teton	47°49'	112°04'	<	78 >
1741	Montana	Toole	48°21'	111°19'	<	77 >
1102	Montana	Yellowstone	45°57'	108°20'	<	77 >
341	N. Carolina	Duplin	35°08'	77°55'	<	79>
343	N. Carolina	Wayne	35°16'	78°03'	<	79>
1472	N. Dakota	Barnes	46°42'	98°07'	<	78 79>
1640	N. Dakota	Barnes	46°55'	97°51'	<	77 >
1392	N. Dakota	Benson	47°57'	99°14'	<	78 >
1648	N. Dakota	Bowman	46°04'	103°06'	<	77 >
1394	N. Dakota	Burke	48°52'	102°23'	<	78 79>
1653	N. Dakota	Burleigh	47°01'	100°20'	<	78 79>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seq</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>		
1473	N. Dakota	Cass	47°10'	96°54'	<	78	>
1642	N. Dakota	Cass	46°44'	97°34'	<76		>
1616	N. Dakota	Cavalier	48°39'	98°21'	<	77	>
1658	N. Dakota	Dickey	46°05'	98°19'	<	78	79>
1571	N. Dakota	Dunn	47°06'	102°46'	<		79>
1625	N. Dakota	Dunn	47°16'	102°33'	<	77	>
1618	N. Dakota	Grand Forks	47°44'	97°32'	<76		>
1619	N. Dakota	Grand Forks	48°04'	97°30'	<	77	78 >
1918	N. Dakota	Grant	46°18'	101°18'	<	78	>
1655	N. Dakota	Grant	46°42'	101°48'	<76		>
1913	N. Dakota	Hettinger	46°33'	102°47'	<	77	>
1650	N. Dakota	Hettinger	46°32'	102°10'	<	78	>
1909	N. Dakota	Kidder	47°04'	99°42'	<	78	79>
1924	N. Dakota	La Moure	46°28'	98°50'	<	77	78 >
1660	N. Dakota	Logan	46°37'	99°27'	<76		>
1897	N. Dakota	Mc Henry	48°29'	100°54'	<	77	>
1612	N. Dakota	Mc Henry	48°03'	100°17'	<	78	79>
1661	N. Dakota	Mc Intosh	46°16'	99°45'	<76		>
1627	N. Dakota	Mc Kenzie	47°55'	103°32'	<		79>
1630	N. Dakota	Mercer	47°04'	102°07'	<		79>
1656	N. Dakota	Morton	46°36'	101°13'	<76	78	>
1602	N. Dakota	Mountrail	48°21'	102°25'	<	78	>
1603	N. Dakota	Mountrail	48°06'	102°43'	<76		>
1584	N. Dakota	Pembina	48°49'	97°15'	<	78	>
1461	N. Dakota	Pierce	48°13'	99°59'	<	78	79>
1614	N. Dakota	Pierce	48°31'	100°10'	<76		>
1387	N. Dakota	Ramsey	48°27'	98°38'	<	78	>
1662	N. Dakota	Ramson	46°24'	98°02'	<76		>
1663	N. Dakota	Richland	46°23'	96°44'	<76		>
1927	N. Dakota	Sargent	46°07'	97°58'	<	77	>
1664	N. Dakota	Sargent	46°11'	97°24'	<	78	>
1920	N. Dakota	Sioux	46°03'	101°00'	<	78	>
1651	N. Dakota	Slope	46°20'	103°23'	<76		>
1652	N. Dakota	Stark	46°56'	102°50'	<	77	>
1644	N. Dakota	Steele	47°29'	97°31'	<	77	>
1636	N. Dakota	Stutsman	46°48'	98°32'	<	78	79>
1637	N. Dakota	Stutsman	47°15'	99°19'	<76	77	>
1467	N. Dakota	Towner	48°42'	99°23'	<	78	>
1645	N. Dakota	Trail	47°33'	96°56'	<76		>
1899	N. Dakota	Walsh	48°32'	97°17'	<	77	>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Continued)

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>
1624	N. Dakota	Walsh	48°19'	97°38'	<76 >
1457	N. Dakota	Ward	48°16'	101°46'	< 78 79>
1606	N. Dakota	Ward	48°16'	101°22'	< 77 >
221	Nebraska	Antelope	42°22'	98°11'	< 78 >
1560	Nebraska	Banner	41°29'	104°00'	< 77 >
1378	Nebraska	Box Butte	42°06'	102°50'	< 77 >
1398	Nebraska	Cass	40°58'	95°57'	< 77 >
1379	Nebraska	Cheyenne	41°22'	102°48'	< 78 >
1592	Nebraska	Clay	40°24'	98°11'	< 77 >
1572	Nebraska	Custer	41°30'	99°28'	< 78 >
222	Nebraska	Dawson	40°54'	99°57'	< 78 >
1564	Nebraska	Deuel	41°06'	102°08'	< 77 >
1388	Nebraska	Dixon	42°20'	96°55'	< 78 >
1594	Nebraska	Gage	40°16'	96°53'	< 77 78 >
1009	Nebraska	Hall	40°56'	98°35'	< 78 >
1479	Nebraska	Harlan	40°04'	99°29'	< 77 >
1583	Nebraska	Hitchcock	40°12'	101°04'	< 78 >
1075	Nebraska	Howard	41°10'	98°27'	< 78 >
1159	Nebraska	Johnson	40°22'	96°15'	< 78 >
1566	Nebraska	Kimball	41°02'	103°43'	< 77 >
1576	Nebraska	Lancaster	40°52'	96°50'	< 77 >
1476	Nebraska	Lincoln	40°59'	100°40'	< 78 >
1877	Nebraska	Morrill	41°40'	102°58'	< 78 >
1586	Nebraska	Perkins	40°46'	101°20'	< 77 >
1577	Nebraska	Platte	41°22'	97°36'	< 77 >
1595	Nebraska	Saline	40°27'	97°08'	< 77 >
327	Nebraska	Saunders	41°09'	96°30'	< 79>
1450	Nebraska	Seward	41°01'	97°14'	< 77 >
1382	Nebraska	Sheridan	42°48'	102°28'	< 78 >
1596	Nebraska	Thayer	40°12'	97°24'	< 78 79>
1591	Nebraska	Webster	40°04'	98°20'	< 78 >
230	Ohio	Delaware	40°13'	82°50'	< 79>
1695	Oklahoma	Atoka	34°17'	96°23'	< 78 >
1355	Oklahoma	Beaver	36°35'	100°00'	< 77 >
1222	Oklahoma	Blaine	35°42'	98°28'	< 77 >
1362	Oklahoma	Caddo	35°00'	98°18'	< 77 >
1499	Oklahoma	Carter	34°18'	97°00'	< 78 >

TABLE 2. SEGMENTS COVERED IN THIS REPORT.
LISTED BY STATE (Continued)

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>	
1357	Oklahoma	Cimarron	36°39'	102°46'	<	79>
1228	Oklahoma	Commanche	34°37'	98°32'	< 77	>
1223	Oklahoma	Custer	35°35'	98°47'	< 77	>
1219	Oklahoma	Ellis	36°03'	99°44'	< 77	>
1365	Oklahoma	Garfield	36°30'	97°32'	< 77	>
1671	Oklahoma	Garvin	34°33'	97°13'	< 78	>
1236	Oklahoma	Grant	36°43'	97°56'	< 77	>
1231	Oklahoma	Jackson	34°34'	99°28'	< 77	>
1367	Oklahoma	Major	36°21'	98°31'	< 77	>
1239	Oklahoma	Nobel	36°16'	97°02'	< 77	>
1253	Oklahoma	Sequoyah	35°23'	94°30'	< 78	>
1219	Oklahoma	Tillman	34°15'	98°56'	<	79>
1233	Oklahoma	Tillman	34°36'	99°01'	< 77	>
1226	Oklahoma	Washita	35°24'	99°11'	<	79>
320	Pennsylvania	Berks	40°29'	75°50'	<	79>
339	S. Carolina	Lee	34°15'	80°18'	<	79>
338	S. Carolina	Marlboro	34°32'	79°33'	<	79>
337	S. Carolina	Orangeburg	33°31'	81°12'	<	79>
336	S. Carolina	Williamsburg	33°38'	79°56'	<	79>
1807	S. Dakota	Bon Homme	43°03'	97°57'	< 77	>
240	S. Dakota	Brookings	44°18'	96°53'	< 78	>
1676	S. Dakota	Brule	43°36'	99°02'	< 78	79>
1678	S. Dakota	Clark	44°58'	97°36'	< 78	>
1498	S. Dakota	Codington	44°57'	97°02'	< 77	>
241	S. Dakota	Deuel	44°58'	96°34'	< 78	>
1485	S. Dakota	Dewey	45°28'	100°52'	< 78	79>
1599	S. Dakota	Edmunds	45°27'	98°51'	< 78	>
1805	S. Dakota	Gregory	43°08'	99°20'	< 77	>
1686	S. Dakota	Hand	44°14'	98°58'	< 77	>
1687	S. Dakota	Hand	44°35'	98°58'	<	79>
1811	S. Dakota	Hutchinson	43°26'	97°41'	< 77	>
1699	S. Dakota	Hyde	44°28'	99°27'	< 77	>
1755	S. Dakota	Jerauld	44°05'	98°54'	< 78	79>
1154	S. Dakota	Jones	43°52'	100°42'	< 78	>
1811	S. Dakota	Kingsbury	44°30'	97°20'	< 78	>
1694	S. Dakota	Lyman	43°51'	100°06'	< 77	>
1675	S. Dakota	Mc Pherson	45°56'	99°13'	< 77	>

TABLE 2. SEGMENTS COVERED IN THIS REPORT,
LISTED BY STATE (Concluded)

<u>Seg</u>	<u>State</u>	<u>County</u>	<u>Lat</u>	<u>Long</u>	<u>---Years---</u>
1784	S. Dakota	Minnehaha	43°48'	97°05'	< 78 79>
1668	S. Dakota	Perkins	45°35'	102°46'	< 78 >
1669	S. Dakota	Perkins	45°55'	102°48'	< 77 >
1681	S. Dakota	Roberts	45°32'	96°48'	< 77 >
1803	S. Dakota	Shannon	43°03'	102°19'	< 77 >
1489	S. Dakota	Walworth	45°29'	99°42'	< 77 >
286	Texas	Bell	31°00'	97°18'	< 79>
1077	Texas	Castro	34°25'	102°25'	< 78 >
277	Texas	Chambers	29°51'	94°29'	< 79>
1325	Texas	Coleman	31°32'	99°18'	< 77 >
1371	Texas	Deaf Smith	35°08'	102°58'	< 77 >
282	Texas	Falls	31°04'	97°08'	< 79>
1079	Texas	Floyd	34°05'	101°13'	< 77 >
329	Texas	Fort Bend	29°44'	95°53'	< 79>
292	Texas	Hildago	26°07'	97°54'	< 79>
279	Texas	Jefferson	30°05'	94°22'	< 79>
1377	Texas	Lubbock	33°50'	101°58'	< 78 >
290	Texas	Randall	35°10'	102°05'	< 79>
285	Texas	Sherman	36°22'	102°04'	< 79>
275	Texas	Wharton	29°20'	96°15'	< 79>
276	Texas	Wharton	29°34'	96°15'	< 79>
246	Wisconsin	Dane	42°55'	89°23'	< 78 >
247	Wisconsin	Eau Claire	44°44'	91°15'	< 78 >

TABLE 3. LIST OF YEAR-INDEPENDENT GROUND COVER CLASSES

These are the classes that are presented in the summary tables (Tables 6-9).

1. Alfalfa	28. Oats
2. Barley	29. Oats_Fall
3. Barley_Fall	30. Oats_Spring
4. Beans	31. Orchard_Viny
5. Beets_Sugar	32. Pasture
6. Buckwheat	33. Peanuts
7. Clover	34. Potatoes
8. Corn	35. Problemfield
9. Cotton	36. Rice
10. Flax	37. Rye
11. Grass	38. Safflower
12. Grass_Sudan	39. Sorghum
13. Hay	40. Soybeans
14. Hay_Other	41. Specialfield
15. Homestead	42. Strip_Field
16. Idle	43. Sugar_Cane
17. Idle_Cover	44. Sunflower
18. Idle_Fallow	45. Tobacco
19. Idle_Residue	46. Trees
20. Idle_Stubble	47. Triticale
21. Invalid_Code	48. Uninventoryd*
22. Millet	49. Vegetables
23. Mixed_Field	50. Water
24. Mixture_Pix	51. Wheat_Durum
25. Mountains	52. Wheat_Spring
26. Mustard_Seed	53. Wheat-Volunt
27. Non_Agricult	54. Wheat_Winter

* Spelling of crop codes was selected to fit within 12 characters.

In addition to the basic crop class, the original ground truth provides special condition information. These are:

1. Crop growing in field (presumably will be harvested)
2. Crop harvested
3. Crop abandoned (e.g., failed)
4. Strip/fallow growing (described below)
5. Strip/fallow harvested
6. Strip/fallow abandoned
7. Crop harvested for silage

The distinction between categories "growing" and "harvested" is somewhat artificial, since it represents time of inventory rather than a true difference in treatment or status. In some years the two categories were not distinguished.

A common practice found in some areas (particularly in grain-growing areas of the U.S. Northern Great Plains) is that of "strip/fallow". In this practice, a field is planted in narrow strips in which a crop (usually grain) is alternated with strips left unplanted (fallow). If the strips are sufficiently wide, they were individually treated as fields. Otherwise, special condition categories 4-6 were used to indicate the practice.

In many segments, a number of "special fields" were designated for detailed analysis. These fields underwent periodic observation to obtain a careful record of crop growth. Typically, ten fields of each principal crop class were designated as special fields. In some years, special fields were identified by using field number as a separate ground truth code. Data from these years required translation of field number to the corresponding crop code when ground truth summaries were prepared. In other years, the special field designation was maintained in a separate image, so that crop code and condition was available just as for all other fields.



3

GROUND TRUTH SUMMARIZATION

This section describes how the information-rich data discussed in Section 2, which varied somewhat in form from year to year, was treated to form a concise and consistent summary report.

To minimize computer costs, a 20% sample of the scene (one line in 5) was chosen as providing sufficient accuracy. Evidence supporting this assertion of sufficient accuracy is given in Section 4.

Several combinations of categories were made in order to simplify and condense the information presented to the user. Subclasses of a particular crop were combined to form the 54 classes; these subclasses are the seven special condition categories (such as crop-harvested, crop-abandoned, strip/fallow) described in Section 2. The strip/fallow subclasses were accounted for by assigning 50% to the crop, and 50% to the IDLE_FALLOW class. Certain of the 54 crop classes were combined together for the summary. For example, PROBLEMFIELD was combined into UNINVENTORYD (since both can be interpreted as "crop code not available"). These combinations, presented in Tables 4 and 5 were carried out to make the summary report more concise and more readable.

Because these combinations can conceal information that is important, four conditions are quantified in the tables and are presented as table footnotes. The user can then seek more detailed information, if necessary. These four conditions are:

1. Percent of scene identified as "abandoned".
2. Percent of scene involved in strip/fallow or other strip cropping practice.

TABLE 4. CROP CLASS COMBINATIONS MADE IN GROUND TRUTH
SUMMARY REPORTS

<u>Class Reported</u>	<u>Other Classes Included</u>
TREES	ORCHARD_VINY
NON_AGRICULT	HOMESTEAD, MOUNTAINS
UNINVENTORYD	PROBLEMFIELD*
WHEAT_SPRING	WHEAT_DURUM
WHEAT_WINTER	WHEAT_VOLUNT*
HAY	HAY_OTHER, ALFALFA, GRASS_SUDAN, GRASS, CLOVER
BARLEY	BARLEY_FALL*
OATS	OATS_SPRING, OATS_FALL
IDLE	IDLE_STUBBLE, IDLE_COVER, IDLE_RESIDUE

*This combination raises the "special note" flag.

TABLE 5. OTHER CONVENTIONS USED TO SET FLAGS IN GROUND TRUTH SUMMARY REPORTS

<u>Category</u>	<u>Flag</u>
Crop with condition "strip/fallow" (accounted 1/2 to crop, 1/2 to fallow)	"strip/fallow"
Crop with condition "harvested for silage" (accounted to crop)	"special note"
Crop with condition "harvested" (accounted to crop)	none
Crop with condition "abandoned" (accounted to crop)	"abandonment"
Special field (accounted to correct class)	"special field"

3. Percent of scene which the authors of this report feel are worthy of special notice, such as combinations described above that may need to be reinterpreted, depending on a user's needs. (An example is any occurrence of harvested for silage.)
4. Percent of scene that is determined from ground truth codes to be special fields. In the provided summary tables, special fields are accounted to their correct respective crop categories.

The crop classes presented in the report that lead to any of these conditions are marked immediately following the crop class percentage to refer to the corresponding footnote.

In addition to the summary tables provided in this report, more complete tables have been produced. In these complete tables, no crop categories have been combined, and special condition information is presented. These tables were prepared to assist a user who needs more detailed information in the case that the summary report raises a significant question. These tables are not incorporated into this report due to space limitations; contact NASA/JSC (SG3) or ERIM on specific questions.

APPLICATION OF GROUND TRUTH SUMMARY DATA

The primary purpose of the ground truth summary tables presented in Section 5 is to permit initial segment screening, e.g., for segments having selected confusion crops or significant densities of one or two crops. The data may also be used to provide ground truth for proportion estimates of individual segments, provided the estimation accuracy discussed below is considered adequate for the application.

The sampling rate (one line in 5) used in preparing Section 5 was selected in order to substantially reduce the processing costs, but without excessive reduction in accuracy. The 20% sample resulted in a sample size of $n = 27832$.

The variance of estimated percentage of a crop in a sample is $\text{var} = \frac{p(1-p)}{n}$, where p is the percentage of the crop in the scene and n is the sample size. This formula indicates that the variance is largest when the crop covers about half the scene, and smallest when it covers nearly all or nearly none of the scene. For the worst case, $p = 1/2$ and the possible error of a crop percentage (standard deviation) is $\frac{1}{2\sqrt{n}}$. The standard deviation of a crop proportion for a segment is thus no greater than 0.003 (0.3%) for the sample used.

Since one important use of this report is to screen segments for a particular crop mix, the chance of missing a low percentage crop due to the sampling was examined. The result is that the probability of failing to detect the presence of a crop that covers only 0.1% of the scene is minute (less than 10^{-6}).

The statistical calculations employed above are based on the random sample assumption (not quite true) and on the binomial distribution for an individual crop.



5

GROUND TRUTH SUMMARY TABLES

Tables 6, 7, 8, and 9 contain the ground truth crop proportion summary data for the years 1976, 1977, 1978, and 1979, respectively. The segments are in numerical order in each table.

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TABLE 6. GROUND TRUTH SUMMARY DATA FOR 1978.

SEGMENT 1019 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.690	Oats	0.126	Trees	0.014
Hay	3.561	Pasture	17.465	Uninventoryd	8.681*
Idle_fallow	33.576	Sorghum	3.043	Wheat_winter	31.924
Non_agricult	0.887	Sunflower	0.032		
			* %notice=	1.50	
SEGMENT 1020 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.252	Idle_fallow	27.418	Sorghum	3.112
Corn	2.659	Non_agricult	0.334	Trees	0.047
Flax	0.029	Oats	0.029	Uninventoryd	5.318*
Hay	2.062	Pasture	33.842	Wheat_winter	24.899
	%aband= .44		* %notice=	1.14	
SEGMENT 1035 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.090	Non_agricult	14.893	Sorghum	5.249
Corn	15.295	Oats	0.054	Trees	0.104
Hay	4.423	Pasture	21.906	Uninventoryd	7.797*
Idle_fallow	10.783	Rye	0.029	Wheat_winter	19.377
	%aband= 2.80		* %notice=	2.53	
SEGMENT 1041 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.624	Oats	0.029	Trees	0.014
Hay	1.585	Pasture	12.654	Uninventoryd	12.026*
Idle	41.391	Sorghum	13.797	Wheat_winter	14.943
Non_agricult	1.937				
	%aband= 1.52		* %notice=	5.44	
SEGMENT 1154 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	2.950	Pasture	18.806	Uninventoryd	30.537*
Hay	2.278	Rye	0.090	Water	0.054
Idle_fallow	2.537	Sorghum	14.340	Wheat_winter	25.643
Non_agricult	1.081	Trees	1.685		
			* %notice=	1.33	
SEGMENT 1159 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	2.224	Oats	0.334	Trees	7.017
Hay	8.382	Pasture	26.789	Uninventoryd	32.840*
Idle_fallow	0.446	Sorghum	12.177	Wheat_winter	7.229
Non_agricult	1.301	Soybeans	1.261		
			* %notice=	1.28	
SEGMENT 1163 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	3.072	Oats	0.492	Trees	5.260
Hay	9.309	Pasture	40.971	Uninventoryd	10.287*
Idle	1.002	Rye	0.011	Water	0.521
Idle_fallow	0.011	Sorghum	8.921	Wheat_winter	8.609
Non_agricult	1.175	Soybeans	10.359		
			%strip = .02; * %notice=	3.49	

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1184 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.410	Millet	0.080	Sorghum	0.442
Corn	0.388	Non_agricult	2.702	Trees	26.085
Hay	4.851	Oats	1.455	Uninventoryd	20.721
Idle	8.440	Pasture	29.168	Wheat_winter	5.203
Idle_fallow	0.011	Rye	0.036		
%aband=	.86	%strip =	.02	%notice=	6.40
SEGMENT 1185 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.014	Non_agricult	1.459	Soybeans	6.899
Corn	2.246	Oats	0.632	Trees	20.602
Flax	0.259	Pasture	35.172	Uninventoryd	15.259
Hay	4.423	Sorghum	6.180	Wheat_winter	6.313
Idle_fallow	0.543				
		%notice=	8.74		
SEGMENT 1186 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.072	Oats	0.083	Trees	1.280
Hay	1.196	Pasture	45.145	Uninventoryd	25.887
Idle	1.444	Rye	0.007	Water	0.018
Idle_fallow	15.516	Strip_field	0.140	Wheat_winter	6.850
Non_agricult	1.351				
		%strip =	.51	%notice=	3.44
SEGMENT 1187 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	5.918	Oats	0.011	Trees	3.403
Hay	9.708	Pasture	4.685	Uninventoryd	20.915
Idle_fallow	0.047	Sorghum	2.167	Water	2.260
Non_agricult	42.523	Soybeans	0.219	Wheat_winter	8.145
%aband=	.04			%notice=	4.97
SEGMENT 1188 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.032	Non_agricult	0.101	Uninventoryd	9.974
Hay	3.316	Pasture	73.239	Wheat_winter	8.368
Idle	4.922	Trees	0.047		
%aband=	.48			%notice=	.17
SEGMENT 1171 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.111	Non_agricult	4.143	Sorghum	1.998
Beets_sugar	0.065	Oats	0.266	Trees	0.205
Hay	2.271	Pasture	3.758	Uninventoryd	13.880
Idle_fallow	25.241	Rye	0.165	Wheat_winter	47.898
%aband=	.01			%notice=	6.38
SEGMENT 1172 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	4.301	Pasture	34.176	Uninventoryd	11.728
Idle	0.025	Sorghum	2.285	Water	0.417
Idle_fallow	0.194	Trees	2.716	Wheat_winter	43.798
Non_agricult	0.359				
%aband=	.23			%notice=	5.40

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TABLE 6. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1178		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.801	Non_agricult	0.878	Soybeans	0.081
Corn	0.054	Oats	0.546	Trees	0.323
Hay	2.379	Pasture	17.261	Uninventoryd	12.493
Idle_fallow	4.136	Sorghum	1.624	Wheat_winter	59.744
%aband= 4.78				%notice= 7.05	
SEGMENT 1178		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.108	Oats	0.747	Triticale	0.126
Hay	4.207	Pasture	51.189	Uninventoryd	9.327
Idle_fallow	16.161	Rye	0.011	Water	7.499
Non_agricult	0.672	Trees	2.038	Wheat_winter	7.854
%aband= .01				%notice= .09	
SEGMENT 1178		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.377	Pasture	41.531	Trees	1.624
Hay	11.339	Rye	0.007	Uninventoryd	18.428
Idle_fallow	0.643	Sorghum	6.285	Water	0.654
Non_agricult	0.812	Soybeans	1.707	Wheat_winter	16.064
Oats	0.521				
%aband= 1.06				%notice= 2.11	
SEGMENT 1180		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.194	Non_agricult	7.071	Soybeans	11.365
Corn	0.284	Oats	0.384	Trees	2.242
Hay	5.465	Pasture	19.251	Uninventoryd	25.054
Idle	0.471	Rye	0.194	Wheat_winter	22.395
Idle_fallow	0.007	Sorghum	5.623		
%aband= .19				%notice= 5.01	
SEGMENT 1181		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.884	Non_agricult	1.002	Trees	0.352
Hay	5.691	Oats	0.790	Uninventoryd	19.614
Idle_fallow	6.069	Pasture	39.401	Wheat_winter	26.196
%aband= 3.77				%notice= 2.68	
SEGMENT 1183		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.162	Oats	1.423	Uninventoryd	5.088
Hay	7.111	Pasture	60.035	Wheat_winter	13.187
Idle_fallow	11.825	Trees	1.161		
				%notice= .91	
SEGMENT 1184		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.115	Oats	0.489	Trees	1.929
Corn	3.518	Pasture	35.757	Uninventoryd	8.052
Hay	4.603	Rye	0.047	Water	0.061
Idle_fallow	0.543	Sorghum	14.365	Wheat_winter	21.400
Non_agricult	0.126	Soybeans	8.997		
%aband= .37; %strip = .34;				%notice= 1.24	

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1803 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.011	Non_agricult	0.047	Uninventoryd	18.378
Hay	0.780	Oats	0.162	Water	42.660
Idle	1.588	Pasture	34.270	Wheat_spring	1.947
Idle_fallow	0.083	Trees	0.065		
; %strip = .17; * %notice= 13.38					
SEGMENT 1814 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.448	Non_agricult	5.163	Trees	0.201
Corn	0.054	Oats	4.371	Uninventoryd	7.976
Flax	2.386	Pasture	8.950	Water	4.204
Hay	9.762	Rye	1.218	Wheat_spring	25.814
Idle_fallow	21.134	Strip_field	1.146	Wheat_winter	0.172
; %band= 2.74; %strip = 3.88; * %notice= 2.33					
SEGMENT 1818 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	22.435	Idle_fallow	2.544	Sunflower	1.746
Beans	14.756	Millet	0.036	Trees	2.989
Corn	0.047	Non_agricult	3.255	Uninventoryd	6.342
Flax	0.298	Oats	0.363	Wheat_spring	37.999
Hay	1.908	Pasture	0.729	Wheat_winter	0.180
Idle	4.373				
; * %notice= .87					
SEGMENT 1824 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	10.775	Hay	2.177	Sunflower	1.779
Beans	3.147	Idle_fallow	3.018	Trees	1.028
Beets_sugar	2.343	Non_agricult	2.217	Uninventoryd	29.326
Corn	0.022	Oats	0.776	Wheat_spring	41.761
Flax	0.126	Pasture	1.505		
; %strip = .02; * %notice= 22.70					
SEGMENT 1837 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.254	Non_agricult	11.587	Sunflower	0.467
Corn	0.363	Oats	1.876	Trees	0.050
Flax	0.230	Pasture	21.702	Uninventoryd	5.716
Hay	6.816	Safflower	0.147	Wheat_spring	31.715
Idle_fallow	17.976				
; %band= .18; * %notice= .81					
SEGMENT 1842 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	9.105	Non_agricult	7.833	Sunflower	1.171
Corn	2.609	Oats	5.407	Trees	0.266
Flax	1.602	Pasture	4.383	Uninventoryd	9.040
Hay	5.724	Rye	0.040	Water	3.072
Idle	0.080	Sorghum	3.244	Wheat_spring	38.481
Idle_fallow	7.933				
; * %notice= 3.04					

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TABLE 6. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1048 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	18.147	Idle_fallow	2.846	Sunflower	1.304
Beans	3.424	Millet	0.165	Trees	3.730
Beets_sugar	5.562	Non_agricult	0.887	Uninventoryd	8.523
Corn	0.226	Oats	0.650	Water	0.582
Flax	0.269	Pasture	6.889	Wheat_spring	45.509
Hay	1.897	Soybeans	1.380		
			%notice= 1.08		
SEGMENT 1051 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.576	Idle_fallow	8.878	Trees	0.047
Corn	1.940	Non_agricult	0.672	Uninventoryd	6.151
Flax	0.165	Oats	2.445	Water	0.614
Hay	9.428	Pasture	33.336	Wheat_spring	22.228
Idle	10.456	Strip_field	0.561	Wheat_winter	0.503
			%strip = 18.32; %notice= 1.63		
SEGMENT 1055 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.474	Non_agricult	0.586	Uninventoryd	7.312
Corn	0.553	Oats	2.955	Water	0.011
Hay	8.541	Pasture	33.303	Wheat_spring	21.662
Idle_fallow	19.774	Soybeans	0.032	Wheat_winter	0.072
Millet	0.043	Strip_field	4.682		
	%aband= 11.98; %strip = 16.66; %notice= 5.49				
SEGMENT 1058 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.144	Non_agricult	0.320	Trees	0.683
Corn	0.553	Oats	1.841	Uninventoryd	7.635
Flax	0.144	Pasture	67.024	Water	0.776
Hay	11.918	Strip_field	0.751	Wheat_spring	4.425
Idle_fallow	3.787				
		%strip = 2.23; %notice= 1.69			
SEGMENT 1060 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.248	Idle_fallow	1.597	Strip_field	2.519
Corn	0.600	Non_agricult	0.988	Trees	0.115
Flax	1.376	Oats	5.424	Uninventoryd	8.476
Hay	14.171	Pasture	28.787	Water	4.039
Idle	7.463	Rye	0.244	Wheat_spring	23.954
	%aband= .19; %strip = 5.71; %notice= 5.97				
SEGMENT 1061 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.737	Oats	5.142	Sunflower	0.266
Flax	5.041	Pasture	23.933	Trees	0.083
Hay	18.410	Rye	0.216	Uninventoryd	15.802
Idle_fallow	1.987	Safflower	0.187	Wheat_spring	27.562
Non_agricult	0.377	Sorghum	0.259		
	%aband= 1.25; %notice= 7.72				

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1882			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Barley	4.207		Millet	2.587	Sunflower	7.495
Corn	3.180		Non_agricult	4.567	Trees	0.216
Flax	1.293		Oats	3.776	Uninventoryd	10.416
Hay	8.616		Pasture	12.392	Water	0.927
Idle_fallow	2.953		Rye	0.162	Wheat_spring	37.213
%aband=	.50		; * %notice= 3.22			
SEGMENT 1883			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Barley	1.293		Millet	0.115	Trees	0.503
Corn	0.719		Non_agricult	0.675	Uninventoryd	9.615
Flax	0.194		Oats	1.168	Water	2.612
Hay	33.839		Safflower	0.162	Wheat_spring	37.270
Idle_fallow	7.477		Sunflower	4.358		
%aband=	.31		; * %notice= 3.72			
SEGMENT 1881			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Corn	4.549		Oats	0.111	Trees	0.640
Hay	2.598		Pasture	38.995	Uninventoryd	7.455
Idle_fallow	18.888		Sorghum	4.933	Wheat_winter	21.335
Non_agricult	0.486		; * %notice= .21			
SEGMENT 1882			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Barley	0.022		Non_agricult	3.686	Uninventoryd	5.296
Corn	5.857		Pasture	27.968	Water	0.025
Hay	3.115		Sorghum	3.309	Wheat_winter	21.960
Idle_fallow	28.586		Trees	0.176		
			; * %notice= .25			
SEGMENT 1884			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Corn	3.895		Non_agricult	1.351	Sorghum	7.423
Hay	0.582		Pasture	5.472	Uninventoryd	9.363
Idle	36.217		Safflower	1.272	Wheat_winter	34.424
%aband=	.61		; * %notice= 2.59			
SEGMENT 1885			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Corn	0.036		Non_agricult	1.455	Trees	0.438
Hay	6.730		Pasture	35.096	Uninventoryd	5.698
Idle	0.744		Sorghum	4.901	Wheat_winter	22.014
Idle_fallow	22.252		Sunflower	0.535		
%aband=	.08		; * %notice= .91			
SEGMENT 1887			YEAR 1978			
Crop	Percent		Crop	Percent	Crop	Percent
Corn	24.637		Non_agricult	0.643	Uninventoryd	5.480
Hay	0.399		Pasture	0.331	Water	0.115
Idle_fallow	24.317		Sorghum	14.171	Wheat_winter	29.897
%aband=	1.10		; * %notice= .08			

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1880 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.004	Non_agricult	1.969	Trees	1.441
Corn	5.510	Pasture	30.181	Uninventoryd	8.673
Hay	3.162	Rye	0.122	Wheat_winter	24.989
Idle_fallow	19.948	Sorghum	3.000		
%aband= 1.06				%notice=	.55
SEGMENT 1881 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	1.250	Non_agricult	0.144	Uninventoryd	3.787
Idle_fallow	36.577	Pasture	15.773	Wheat_winter	35.890
Millet	1.074	Sorghum	5.504		
%aband= 2.53				%notice=	.45
SEGMENT 1885 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.065	Idle_fallow	22.345	Uninventoryd	42.487
Corn	0.022	Non_agricult	0.492	Water	0.004
Hay	3.011	Pasture	10.865	Wheat_winter	20.710
		%strip = .04		%notice=	14.13
SEGMENT 1880 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	7.017	Pasture	30.217	Uninventoryd	30.073
Idle_fallow	10.341	Sorghum	5.109	Wheat_winter	16.862
Non_agricult	0.352	Trees	0.029		
%aband= .17				%notice=	15.45
SEGMENT 1882 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	4.340	Oats	0.952	Trees	0.697
Idle_fallow	8.638	Pasture	19.654	Uninventoryd	15.568
Non_agricult	2.379	Sorghum	1.843	Wheat_winter	45.929
%aband= 2.69				%notice=	5.73
SEGMENT 1884 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.043	Pasture	35.797	Trees	1.448
Hay	3.076	Rye	0.014	Uninventoryd	9.230
Idle_fallow	0.399	Sorghum	11.368	Water	0.471
Non_agricult	1.157	Soybeans	0.083	Wheat_winter	36.753
Oats	0.162				
				%notice=	2.30
SEGMENT 1888 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.065	Non_agricult	3.230	Trees	0.334
Corn	4.520	Oats	0.072	Uninventoryd	14.605
Hay	2.289	Pasture	19.539	Wheat_winter	26.143
Idle_fallow	23.283	Sorghum	5.921		
				%notice=	.72

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TABLE 6. GROUND TRUTH SUMMARY DATA FOR 1978, concluded.

SEGMENT 1887		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.140	Non_agricult	0.805	Trees	1.937
Hay	3.909	Oats	0.190	Triticale	0.050
Idle	7.355	Pasture	59.848	Uninventoryd	9.011
Idle_fallow	0.295	Sorghum	5.422	Wheat_winter	11.038
Soybeans	.30				
SEGMENT 1891		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.316	Oats	0.625	Trees	1.545
Corn	1.297	Pasture	31.011	Uninventoryd	8.088
Hay	7.261	Rye	0.086	Water	0.086
Idle_fallow	5.982	Sorghum	7.290	Wheat_winter	33.720
Non_agricult	1.714	Soybeans	0.977		
Soybeans	1.93				

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977.

SEGMENT 1000		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.359	Non_agricult	0.604	Uninventoryd	0.241
Hay	0.546	Pasture	10.995	Water	0.025
Idle_fallow	43.924	Trees	0.032	Wheat_winter	43.274
: * %notice= .24; %special= 5.39					
SEGMENT 1005		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	4.883	Idle_fallow	16.826	Sorghum	0.205
Hay	1.390	Non_agricult	4.114	Wheat_winter	37.044
Idle	13.980	Pasture	21.558		
1 %aband= 2.40					
SEGMENT 1007		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Idle	12.324	Non_agricult	2.041	Uninventoryd	0.395
Idle_fallow	24.955	Pasture	28.952	Wheat_winter	31.333
1 %aband= 4.13; %strip = 4.08; * %notice= .40; %special= 7.50					
SEGMENT 1078		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.201	Idle_fallow	2.609	Soybeans	0.489
Cotton	32.089	Non_agricult	1.128	Sunflower	0.395
Hay	0.561	Pasture	14.620	Water	2.192
Idle	1.182	Sorghum	1.329	Wheat_winter	43.206
1 %aband= 30.52; %special= 5.13					
SEGMENT 1084		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Beans	1.850	Non_agricult	25.198	Uninventoryd	2.623
Hay	0.144	Pasture	61.359	Water	1.276
Idle_fallow	3.122	Trees	0.392	Wheat_winter	3.837
: %special= 2.62					
SEGMENT 1102		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	3.399	Oats	2.134	Trees	3.715
Beets_sugar	2.447	Pasture	25.417	Uninventoryd	0.693
Corn	9.838	Rye	0.040	Water	1.973
Hay	33.717	Safflower	0.014	Wheat_spring	0.675
Idle_fallow	3.147	Strip_field	0.252	Wheat_winter	5.580
Non_agricult	6.960				
1 %aband= .50; %strip = .42; * %notice= .94; %special= 1.69					
SEGMENT 1104		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.933	Non_agricult	0.068	Uninventoryd	0.981
Hay	0.690	Oats	2.587	Water	0.165
Idle	0.201	Pasture	74.770	Wheat_winter	7.808
Idle_fallow	8.390	Safflower	2.407		
1 %aband= .62; %strip = 3.49; * %notice= .98; %special= 5.64					

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1188 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.545	Non_agricult	0.122	Soybeans	0.428
Hay	2.957	Oats	1.541	Uninventoryd	0.065
Idle	0.776	Pasture	45.699	Water	0.054
Idle_fallow	2.289	Sorghum	22.751	Wheat_winter	21.773
			* %notice=	.13;	%special= 1.69
SEGMENT 1188 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	4.800	Oats	1.035	Uninventoryd	1.042
Corn	1.426	Pasture	58.972	Water	0.952
Hay	2.102	Sorghum	16.980	Wheat_winter	6.554
Non_agricult	0.952	Trees	5.125		
%aband= 1.24			* %notice= 1.04;	%special= 1.23	
SEGMENT 1180 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.128	Non_agricult	4.628	Trees	3.611
Corn	0.223	Oats	0.424	Uninventoryd	1.678
Hay	8.867	Pasture	28.810	Water	0.305
Idle	0.115	Sorghum	5.522	Wheat_winter	27.379
Idle_fallow	0.614	Soybeans	16.688		
%aband= .29			* %notice= 1.68;	%special= 3.98	
SEGMENT 1183 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.162	Non_agricult	0.287	Sunflower	0.435
Corn	0.503	Oats	3.697	Uninventoryd	0.004
Hay	7.236	Pasture	65.123	Water	0.111
Idle	0.144	Sorghum	5.282	Wheat_winter	15.091
Idle_fallow	0.241	Soybeans	1.685		
%aband= .26			* %notice= .00;	%special= 3.15	
SEGMENT 1218 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.047	Idle_fallow	0.349	Uninventoryd	1.178
Cotton	0.208	Non_agricult	0.097	Water	0.108
Hay	0.262	Pasture	90.306	Wheat_winter	7.272
Idle	0.151	Rye	0.022		
%aband= 1.90			* %notice= 1.18;	%special= 2.75	
SEGMENT 1220 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.277	Non_agricult	2.544	Trees	0.413
Hay	4.484	Pasture	67.703	Water	0.183
Idle	0.582	Sorghum	0.208	Wheat_winter	22.959
Idle_fallow	0.647				
%aband= 1.83				%special= 6.02	
SEGMENT 1222 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.305	Idle_fallow	1.750	Rye	1.685
Beans	0.129	Non_agricult	0.223	Trees	10.006
Cotton	0.266	Oats	0.014	Uninventoryd	3.320
Hay	1.868	Pasture	47.887	Wheat_winter	32.301
Idle	0.244				
%aband= 5.99			* %notice= .13;	%special= 3.34	

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1223		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.467	Non_agricult	0.162	Trees	0.011
Cotton	0.133	Oats	0.047	Uninventoryd	0.244
Hay	5.627	Pasture	34.439	Water	0.194
Idle	0.496	Sorghum	0.905	Wheat_winter	57.103
Idle_fallow	0.172				
%aband= 1.77				%notice= 1.62	%special= 6.87
SEGMENT 1228		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.101	Non_agricult	13.233	Trees	2.666
Hay	2.073	Oats	0.216	Water	0.463
Idle	0.844	Pasture	63.571	Wheat_spring	0.119
Idle_fallow	0.171	Sorghum	0.040	Wheat_winter	16.504
%aband= .76		%strip= .01		%special= 3.65	
SEGMENT 1231		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	2.526	Idle_fallow	0.726	Pasture	18.306
Hay	1.606	Non_agricult	1.980	Water	0.090
Idle	0.647	Oats	0.072	Wheat_winter	74.048
				%special= 7.69	
SEGMENT 1233		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	19.201	Oats	0.636	Trees	0.658
Hay	4.761	Pasture	26.610	Uninventoryd	1.894
Idle_fallow	2.835	Sorghum	5.023	Water	0.945
Non_agricult	0.485	Soybeans	0.050	Wheat_winter	36.904
%aband= .69				%notice= 1.89	%special= 4.54
SEGMENT 1238		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.758	Idle_fallow	0.747	Sorghum	0.093
Beans	0.032	Non_agricult	0.722	Trees	0.680
Hay	2.824	Oats	0.223	Wheat_winter	62.583
Idle	4.398	Pasture	26.929		
%aband= 1.47				%special= 5.33	
SEGMENT 1239		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.248	Non_agricult	0.977	Trees	4.164
Hay	7.567	Oats	1.218	Uninventoryd	0.525
Idle	0.406	Pasture	60.456	Water	0.428
Idle_fallow	1.107	Rye	0.061	Wheat_winter	22.844
%aband= 6.80				%notice= .52	%special= 3.35
SEGMENT 1279		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
ans	0.356	Idle_fallow	30.749	Trees	0.133
on	11.763	Non_agricult	0.435	Water	0.018
Hay	2.379	Pasture	19.093	Wheat_winter	32.930
Idle	0.291	Sorghum	1.854		
				%special= 4.19	

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1325				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.084	Non_agricult	59.741	Trees	0.830		
Hay	5.742	Oats	13.262	Uninventoryd	0.291		
Idle	1.236	Pasture	1.944	Water	0.844		
Idle_fallow	2.116	Sorghum	8.440	Wheat_winter	5.501		
				; * %notice= .49; %special= 2.79			
SEGMENT 1355				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Hay	3.942	Pasture	53.147	Uninventoryd	0.269		
Idle	1.150	Rye	0.765	Water	0.154		
Idle_fallow	3.474	Sorghum	4.189	Wheat_winter	32.139		
Non_agricult	0.650	Trees	0.119				
%aband= 16.47				; * %notice= .27; %special= 4.07			
SEGMENT 1382				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.054	Non_agricult	0.517	Trees	6.852		
Corn	0.011	Pasture	45.893	Uninventoryd	2.677		
Cotton	5.059	Rye	0.065	Water	0.647		
Hay	8.713	Sorghum	0.496	Wheat_winter	28.834		
Idle_fallow	0.183						
%aband= .63				; * %notice= 2.68; %special= 4.05			
SEGMENT 1385				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.032	Oats	0.252	Uninventoryd	4.455		
Hay	4.739	Pasture	30.566	Water	0.798		
Idle_fallow	0.223	Sorghum	0.050	Wheat_winter	57.265		
Non_agricult	0.014	Trees	1.606				
%aband= .18				; * %notice= 4.46; %special= 5.63			
SEGMENT 1387				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.671	Idle_fallow	3.435	Uninventoryd	0.772		
Beans	0.453	Non_agricult	0.140	Water	0.331		
Hay	0.503	Oats	0.690	Wheat_winter	57.721		
Idle	1.552	Pasture	32.732				
				; * %notice= .77; %special= 6.34			
SEGMENT 1371				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Idle_fallow	0.848	Rye	0.154	Wheat_winter	6.392		
Pasture	92.606						
SEGMENT 1378				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.025	Idle	1.822	Trees	0.025		
Beans	4.491	Idle_fallow	6.857	Uninventoryd	0.873		
Beets_sugar	4.067	Non_agricult	13.643	Water	1.653		
Corn	10.919	Oats	1.556	Wheat_winter	4.827		
Hay	14.674	Pasture	34.568				
				; %strip= 1.03; * %notice= .87; %special= 2.24			

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1388					
YEAR 1977			YEAR 1977		
Crop	Percent		Crop	Percent	
Corn	31.320		Oats	4.017	
Hay	6.895		Pasture	7.394	
Idle_fallow	0.054		Sorghum	10.078	
Non_agricult	4.168		Soybeans	19.258	
%aband= 1.36			%notice= .44	%special= 1.87	
SEGMENT 1480					
YEAR 1977			YEAR 1977		
Crop	Percent		Crop	Percent	
Corn	39.077		Oats	1.107	
Hay	4.362		Pasture	6.992	
Idle_fallow	0.061		Rye	0.032	
Non_agricult	1.523		Sorghum	26.890	
%aband= .05			%notice= .95	%special= 1.36	
SEGMENT 1478					
YEAR 1977			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	0.097		Oats	0.090	
Corn	2.641		Pasture	45.732	
Hay	3.424		Sorghum	16.010	
Idle_fallow	12.690		Soybeans	0.122	
Non_agricult	0.492				
			%notice= .04	%special= 2.78	
SEGMENT 1489					
YEAR 1977			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	1.283		Idle_fallow	0.751	
Corn	7.606		Non_agricult	5.080	
Flax	0.248		Oats	8.382	
Hay	20.282		Pasture	39.688	
Idle	3.237		Tree	0.370	
			%notice= .14	%special= 2.55	
SEGMENT 1488					
YEAR 1977			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	3.949		Millet	0.870	
Corn	5.558		Non_agricult	2.673	
Flax	5.828		Oats	19.848	
Hay	11.023		Pasture	28.114	
Idle	0.514		Rye	4.312	
Idle_fallow	2.900		Sunflower	0.895	
			%notice= .21	%special= 2.89	
SEGMENT 1502					
YEAR 1977			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	3.589		Idle	3.403	
Beans	0.521		Idle_fallow	16.269	
Beets_sugar	1.020		Non_agricult	9.180	
Corn	13.427		Oats	0.898	
Hay	7.761		Pasture	15.504	
			%strip = 10.94	%notice= .74	%special= 2.52

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1807				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.119	Idle_fallow	6.994	Sorghum	0.113		
Hay	1.462	Oats	0.115	Wheat_winter	8.688		
Idle	0.643	Pasture	81.866				
%aband= .81;		%strip= 1.61					

SEGMENT 1812				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.984	Non_agricult	1.556	Trees	2.813		
Corn	5.652	Oats	11.336	Uninventoryd	4.265		
Flax	1.761	Pasture	17.404	Water	1.495		
Hay	19.934	Rye	0.036	Wheat_spring	10.538		
Idle_fallow	6.036	Soybeans	0.205	Wheat_winter	2.127		
Millet	0.172	Sunflower	6.687				
		%notice= 4.26;		%special= 2.10			

SEGMENT 1813				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	19.341	Non_agricult	0.844	Trees	2.569		
Beets_sugar	5.328	Pasture	0.255	Uninventoryd	3.848		
Flax	0.514	Soybeans	0.891	Water	0.273		
Hay	0.366	Sunflower	0.183	Wheat_spring	52.091		
Idle_fallow	13.495						
		%notice= 3.85;		%special= 5.22			

SEGMENT 1815				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	18.892	Millet	0.183	Sunflower	6.115		
Beans	0.916	Non_agricult	1.383	Trees	0.916		
Beets_sugar	3.244	Oats	4.804	Uninventoryd	10.574		
Corn	5.346	Pasture	0.959	Wheat_spring	36.304		
Hay	4.502	Soybeans	5.088	Wheat_winter	0.165		
Idle_fallow	0.607						
		%notice= 10.57;		%special= 4.77			

SEGMENT 1820				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.353	Non_agricult	6.823	Sunflower	0.514		
Corn	16.190	Oats	9.615	Trees	1.060		
Flax	1.836	Pasture	11.652	Uninventoryd	1.232		
Hay	19.438	Rye	0.234	Water	8.957		
Idle_fallow	0.374	Soybeans	3.852	Wheat_spring	15.870		
		%notice= 1.23;		%special= 3.26			

SEGMENT 1821				YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.114	Millet	0.108	Trees	0.456		
Corn	3.977	Non_agricult	3.273	Triticale	0.507		
Flax	1.743	Oats	5.084	Uninventoryd	0.895		
Hay	1.682	Pasture	3.773	Water	5.813		
Idle	0.510	Soybeans	9.683	Wheat_spring	38.614		
Idle_fallow	3.507	Sunflower	13.262				
		%notice= .89;		%special= 4.44			

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1522			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	0.675		Non_agricult	3.341	
Corn	8.562		Oats	11.541	
Hay	12.662		Pasture	25.808	
Idle	0.086		Rye	0.931	
Idle_fallow	0.503		Trees	15.755	
%aband=	.10		%notice=	.39	%special= .26
SEGMENT 1529			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	1.042		Oats	2.037	
Hay	76.430		Pasture	1.434	
Idle_fallow	4.829		Trees	8.138	
Non_agricult	0.226		Uninventoryd	0.711	
%strip=	4.48	%notice=	.71	%special=	1.32
SEGMENT 1532			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	2.593		Oats	1.496	
Hay	8.585		Pasture	62.076	
Idle_fallow	13.432		Rye	0.370	
Non_agricult	0.164		Strip_field	0.047	
%strip=	21.29	%notice=	.05	%special=	1.24
SEGMENT 1537			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	2.335		Non_agricult	0.733	
Corn	0.733		Oats	0.352	
Hay	5.979		Pasture	52.490	
Idle_fallow	16.819		Safflower	0.557	
%aband=	.65	%strip=	16.24	%special=	5.61
SEGMENT 1544			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	1.831		Oats	1.311	
Hay	2.846		Pasture	21.928	
Idle_fallow	33.964		Safflower	1.164	
Non_agricult	1.991		Uninventoryd	0.043	
%strip=	55.20	%notice=	.04	%special=	1.85
SEGMENT 1550			YEAR 1977		
Crop	Percent		Crop	Percent	
Corn	0.079		Non_agricult	0.805	
Hay	0.406		Oats	0.974	
Idle_fallow	38.075		Pasture	17.677	
%strip=	44.65	%notice=	1.46	%special=	2.51
SEGMENT 1554			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	0.561		Hay	0.873	
Beans	0.162		Idle	1.818	
Beets_sugar	0.859		Idle_fallow	30.839	
Corn	4.721		Non_agricult	0.341	
					%special= 4.19

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1508		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Hay	22.136	Non_agricult	0.503	Water	0.074
Idle	0.532	Pasture	9.798	Wheat_spring	0.618
Idle_fallow	31.419	Sunflower	0.704	Wheat_winter	32.865
Millet	0.321	Uninventoryd	0.999		
		%strip = 40.08;	%notice = 1.00;	%special = .73	
SEGMENT 1576		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.343	Millet	0.043	Soybeans	0.787
Corn	0.471	Non_agricult	2.379	Trees	1.085
Hay	3.846	Oats	0.920	Uninventoryd	0.108
Idle	0.036	Pasture	44.571	Water	2.375
Idle_fallow	0.733	Sorghum	24.774	Wheat_winter	15.831
%aband = .08		%notice = .11;	%special = 1.62		
SEGMENT 1577		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	22.047	Oats	1.387	Soybeans	0.532
Hay	3.194	Pasture	70.354	Trees	0.176
Idle_fallow	0.237	Rye	0.237	Wheat_winter	1.628
Non_agricult	0.172	Sorghum	0.036		
				%special = 1.47	
SEGMENT 1586		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	12.299	Idle_fallow	33.156	Pasture	1.602
Hay	15.173	Non_agricult	0.629	Sorghum	1.477
Idle	1.642	Oats	0.244	Wheat_winter	33.778
%aband = .41				%special = 6.67	
SEGMENT 1592		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	19.284	Non_agricult	0.855	Soybeans	0.273
Hay	4.797	Oats	0.586	Trees	1.139
Idle	0.223	Pasture	29.369	Uninventoryd	0.395
Idle_fallow	2.842	Rye	0.014	Water	0.341
Millet	0.259	Sorghum	18.339	Wheat_winter	21.285
		%notice = .47;	%special = 2.08		
SEGMENT 1594		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	6.999	Oats	2.404	Trees	5.752
Hay	7.725	Pasture	24.820	Uninventoryd	0.625
Idle	0.359	Rye	0.022	Water	0.072
Idle_fallow	0.237	Sorghum	34.870	Wheat_winter	14.311
Non_agricult	1.559	Soybeans	0.244		
		%notice = .63;	%special = 3.20		
SEGMENT 1595		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	3.147	Oats	1.879	Trees	2.688
Hay	7.966	Pasture	18.349	Uninventoryd	0.237
Idle	0.755	Sorghum	28.399	Water	0.151
Idle_fallow	1.563	Soybeans	0.661	Wheat_winter	33.903
Non_agricult	0.302				
%aband = .66		%notice = .24;	%special = 2.67		

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1808		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.452	Millet	1.146	Trees	1.865
Corn	0.370	Non_agricult	17.570	Uninventoryd	3.298
Flax	1.024	Oats	5.249	Water	1.944
Hay	9.079	Pasture	22.280	Wheat_spring	21.242
Idle_fallow	12.744	Rye	0.737		
%aband=	.24		* %notice=	.15;	%special= 3.39
SEGMENT 1818		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	27.314	Idle_fallow	25.869	Trees	0.359
Flax	0.830	Non_agricult	0.783	Uninventoryd	0.079
Hay	3.769	Oats	1.146	Wheat_spring	37.453
Idle	0.004	Pasture	1.955	Wheat_winter	0.438
%aband=	.05		* %notice=	.08;	%special= 5.07
SEGMENT 1819		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	9.985	Hay	1.940	Sunflower	15.037
Beans	5.077	Idle_fallow	8.814	Trees	0.417
Beets_sugar	0.284	Non_agricult	2.583	Uninventoryd	7.240
Corn	3.539	Oats	1.064	Wheat_spring	41.255
Flax	0.553	Pasture	2.159	Wheat_winter	0.054
			* %notice=	7.24;	%special= 6.58
SEGMENT 1825		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.263	Idle_fallow	12.065	Strip_field	5.799
Corn	1.380	Non_agricult	0.826	Water	0.183
Flax	0.194	Oats	3.570	Wheat_spring	16.425
Hay	10.614	Pasture	46.906	Wheat_winter	0.167
Idle	0.543	Sorghum	0.065		
%aband=	.76;	%strip=	21.79;	* %notice=	5.82;
				%special=	5.14
SEGMENT 1837		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	4.376	Millet	0.147	Safflower	0.248
Flax	1.531	Non_agricult	2.659	Sunflower	5.030
Hay	5.875	Oats	3.442	Water	5.066
Idle_fallow	18.278	Pasture	26.725	Wheat_spring	26.624
%aband=	.18			%special=	3.18
SEGMENT 1840		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	14.023	Idle_fallow	9.913	Sunflower	16.542
Beans	0.223	Non_agricult	1.272	Trees	1.081
Beets_sugar	0.446	Oats	3.158	Water	0.144
Corn	3.751	Pasture	6.166	Wheat_spring	31.737
Flax	3.460	Safflower	0.115	Wheat_winter	0.266
Hay	7.703				
%aband=	.37			%special=	5.53

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1844		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	17.616	Millet	0.115	Specialfield	3.356
Beans	8.005	Non_agricult	0.701	Sunflower	6.697
Corn	0.992	Oats	9.277	Trees	6.187
Flax	1.865	Pasture	7.046	Uninventoryd	0.388
Hay	3.985	Soybeans	0.043	Wheat_spring	24.986
Idle_fallow	8.742				
%aband= 3.41		%notice= .39		%special= 3.36	
SEGMENT 1848		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.734	Idle	0.226	Pasture	22.898
Corn	1.107	Idle_fallow	29.619	Water	0.101
Flax	0.025	Non_agricult	1.365	Wheat_spring	14.295
Hay	7.014	Oats	3.171	Wheat_winter	17.446
%strip= 45.79				%special= 3.59	
SEGMENT 1852		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.342	Oats	3.338	Uninventoryd	4.286
Corn	0.844	Pasture	17.728	Water	0.050
Hay	19.851	Rye	0.162	Wheat_spring	24.544
Idle_fallow	12.760	Strip_field	10.560	Wheat_winter	1.157
Non_agricult	3.165	Trees	0.212		
%strip= 26.49		%notice= 14.85		%special= 4.97	
SEGMENT 1868		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.570	Non_agricult	0.309	Uninventoryd	0.654
Corn	3.313	Oats	2.052	Water	0.216
Hay	5.885	Pasture	74.914	Wheat_spring	5.808
Idle	0.331	Sorghum	0.009	Wheat_winter	0.296
Idle_fallow	4.612	Trees	0.032		
%strip= 4.02		%notice= .65		%special= 1.65	
SEGMENT 1875		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.767	Millet	1.667	Trees	0.129
Corn	0.578	Non_agricult	3.704	Uninventoryd	0.582
Flax	8.059	Oats	3.722	Water	1.746
Hay	20.566	Pasture	29.958	Wheat_spring	17.368
Idle	1.132	Safflower	0.050	Wheat_winter	1.426
Idle_fallow	4.966	Sunflower	1.577		
%aband= 6.87		%notice= .58		%special= 3.50	
SEGMENT 1881		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	3.787	Non_agricult	2.587	Sunflower	3.715
Corn	13.370	Oats	17.713	Trees	0.449
Flax	2.300	Pasture	19.158	Uninventoryd	0.266
Hay	6.388	Rye	0.273	Water	7.445
Idle_fallow	0.356	Safflower	0.122	Wheat_spring	13.276
Millet	0.252	Soybeans	3.597	Wheat_winter	4.948
		%notice= .27		%special= 4.06	

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1886		YEAR 1877		Crop		Percent	
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.246	Oats	11.221	Uninventoryd	0.647		
Corn	14.897	Pasture	44.021	Water	1.728		
Hay	17.785	Rye	0.438	Wheat_spring	4.006		
Idle_fallow	0.384	Sorghum	1.060	Wheat_winter	0.913		
Non_agricult	0.496	Trees	0.158				
		* %notice= .65;		%special= 3.55			
SEGMENT 1894		YEAR 1877		Crop		Percent	
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.606	Idle_fallow	17.758	Trees	0.032		
Corn	0.162	Non_agricult	1.085	Uninventoryd	1.610		
Flax	0.349	Oats	4.445	Water	0.014		
Hay	12.203	Pasture	31.230	Wheat_spring	0.496		
Idle	0.154	Sorghum	12.863	Wheat_winter	15.991		
%aband= .28;		%strip = .12;		%notice= 1.61;		%special= 4.63	
SEGMENT 1899		YEAR 1877		Crop		Percent	
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	3.428	Non_agricult	2.515	Uninventoryd	2.159		
Corn	3.589	Oats	9.586	Water	0.248		
Hay	18.716	Pasture	44.628	Wheat_spring	5.681		
Idle_fallow	3.827	Sorghum	0.686	Wheat_winter	3.080		
Millet	1.574	Trees	0.273				
%aband= 1.02		%notice= 2.16;		%special= 2.99			
SEGMENT 1725		YEAR 1877		Crop		Percent	
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	14.728	Millet	0.057	Trees	21.371		
Corn	0.083	Non_agricult	4.480	Uninventoryd	1.452		
Hay	23.326	Oats	2.325	Water	2.533		
Idle	3.403	Pasture	14.372	Wheat_spring	1.092		
Idle_fallow	5.623	Sorghum	0.083	Wheat_winter	5.073		
		%notice= 1.45;		%special= 1.97			
SEGMENT 1741		YEAR 1877		Crop		Percent	
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.104	Pasture	42.649	Water	13.434		
Idle	4.157	Safflower	0.068	Wheat_spring	0.176		
Idle_fallow	12.216	Uninventoryd	6.327	Wheat_winter	11.742		
Non_agricult	9.126						
%strip = 10.33;		%notice= 6.33;		%special= 5.05			
SEGMENT 1742		YEAR 1877		Crop		Percent	
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.799	Oats	0.129	Uninventoryd	8.055		
Hay	5.303	Pasture	34.155	Water	0.115		
Idle_fallow	15.468	Strip_field	1.911	Wheat_spring	5.257		
Non_agricult	1.757	Trees	0.420	Wheat_winter	19.630		
%aband= .50;		%strip = 16.92;		%notice= 6.25;		%special= 4.45	

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TABLE 7. ROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1747 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	9.121	Non_agricult	0.025	Uninventoryd	2.008
Hay	4.179	Oats	0.309	Water	0.022
Idle	0.043	Pasture	51.717	Wheat_winter	15.322
Idle_fallow	17.214	Trees	0.040		
: %strip = 20.24; * %notice = 2.01; %special = 1.93					
SEGMENT 1780 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	18.109	Oats	0.622	Uninventoryd	0.891
Hay	23.574	Pasture	27.335	Water	0.029
Idle	1.365	Safflower	1.038	Wheat_spring	0.040
Idle_fallow	2.113	Trees	18.705	Wheat_winter	4.419
Non_agricult	1.761				
: * %notice = .89; %special = 1.67					
SEGMENT 1782 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	5.494	Oats	0.931	Uninventoryd	2.123
Hay	15.180	Pasture	44.693	Water	0.122
Idle	15.155	Trees	0.905	Wheat_spring	1.470
Idle_fallow	0.571	Triticale	0.068	Wheat_winter	12.425
Non_agricult	0.862				
: * %notice = 2.12; %special = 4.64					
SEGMENT 1783 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.693	Oats	0.920	Water	0.093
Hay	4.071	Pasture	68.242	Wheat_spring	0.746
Idle_fallow	10.797	Uninventoryd	0.313	Wheat_winter	11.993
Non_agricult	0.133				
: %aband = .32; %strip = 19.51; * %notice = .31; %special = .58					
SEGMENT 1803 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.377	Non_agricult	4.039	Uninventoryd	0.722
Hay	6.083	Oats	0.923	Water	0.277
Idle_fallow	4.563	Pasture	77.878	Wheat_winter	3.036
Millet	1.017	Trees	1.085		
: %aband = 2.36; * %notice = .72; %special = 2.65					
SEGMENT 1807 YEAR 1977					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.065	Oats	15.716	Uninventoryd	3.579
Corn	9.697	Pasture	46.878	Water	0.219
Hay	20.929	Rye	0.061	Wheat_spring	0.291
Idle_fallow	0.334	Sorghum	0.180	Wheat_winter	0.737
Non_agricult	1.222	Trees	0.093		
: * %notice = 3.26; %special = .40					

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1807		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	3.334	Non_agricult	1.135	Trees	1.175
Corn	30.195	Oats	25.083	Triticale	0.931
Hay	9.338	Pasture	21.763	Uninventoryd	0.471
Idle	0.366	Sorghum	2.971	Wheat_spring	0.834
Idle_fallow	0.093	Soybeans	1.477	Wheat_winter	0.834
		%strip = .19;		%notice = .47;	
				%special = .83	
SEGMENT 1811		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.777	Oats	18.666	Uninventoryd	1.947
Corn	24.436	Pasture	29.764	Water	0.453
Hay	11.850	Sorghum	3.762	Wheat_spring	0.424
Idle_fallow	0.941	Soybeans	0.467	Wheat_winter	0.593
Non_agricult	2.026	Trees	1.894		
		%notice = 1.95;		%special = .73	
SEGMENT 1830		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	10.064	Millet	0.269	Sunflower	3.995
Beets_sugar	0.503	Non_agricult	2.397	Trees	12.705
Corn	2.623	Oats	10.200	Uninventoryd	4.100
Flax	0.250	Pasture	4.419	Water	0.259
Hay	6.891	Rye	0.816	Wheat_spring	36.670
Idle	0.226	Soybeans	0.133	Wheat_winter	0.050
Idle_fallow	3.421				
		%notice = 4.10;		%special = 5.57	
SEGMENT 1835		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	4.484	Non_agricult	2.077	Soybeans	0.234
Corn	10.653	Oats	15.141	Trees	8.562
Flax	0.154	Pasture	20.789	Uninventoryd	0.737
Hay	14.354	Rye	0.446	Water	11.957
Idle	0.036	Safflower	0.043	Wheat_spring	9.654
Idle_fallow	0.679				
%band = .06		%notice = .74;		%special = 1.35	
SEGMENT 1838		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.675	Millet	0.305	Sunflower	2.037
Beans	0.819	Non_agricult	2.709	Trees	1.994
Beets_sugar	1.196	Oats	7.448	Uninventoryd	0.711
Corn	33.404	Pasture	2.928	Water	0.460
Hay	7.441	Soybeans	21.177	Wheat_spring	16.693
		%notice = .71;		%special = 2.50	
SEGMENT 1848		YEAR 1977			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.140	Oats	6.550	Uninventoryd	5.217
Corn	33.523	Pasture	4.412	Water	4.484
Hay	7.132	Soybeans	20.764	Wheat_spring	8.677
Non_agricult	3.643	Trees	1.973	Wheat_winter	3.485
%band = .32		%notice = 5.22;		%special = 2.07	

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, continued.

SEGMENT 1850			YEAR 1977		
Crop	Percent		Crop	Percent	
Hay	8.325		Non_agricult	0.776	Uninventoryd 0.176*
Idle	3.482		Pasture	39.293	Wheat_winter 22.072
Idle_fallow	25.877				
%aband= 1.28			%notice= .18		%special= 9.21
SEGMENT 1859			YEAR 1977		
Crop	Percent		Crop	Percent	
Hay	3.579		Idle_fallow	46.152	Wheat_spring 7.761
Idle	9.047		Pasture	14.817	Wheat_winter 18.644
%aband= .53					%special= 8.29
SEGMENT 1873			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	1.060		Oats	17.419	Triticale 0.043
Beets_sugar	0.115		Pasture	8.932	Uninventoryd 2.652*
Corn	26.725		Rye	0.266	Water 9.446
Flax	5.145		Sorghum	1.225	Wheat_spring 4.542
Hay	9.662		Soybeans	3.381	Wheat_winter 0.252
Non_agricult	4.815		Trees	4.322	
			%notice= 2.65		%special= 2.16
SEGMENT 1894			YEAR 1977		
Crop	Percent		Crop	Percent	
Beets_sugar	0.154		Pasture	3.503	Trees 0.093
Corn	35.829		Sorghum	0.244	Uninventoryd 0.180*
Hay	3.787		Soybeans	26.592	Water 3.543
Non_agricult	16.966		Sunflower	0.593	Wheat_spring 1.161
Oats	7.355				
			%notice= .18		%special= .37
SEGMENT 1897			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	2.565		Non_agricult	1.121	Strip_field 1.491*
Corn	1.310		Oats	9.874	Trees 2.655
Flax	0.147		Pasture	10.725	Uninventoryd 10.606*
Hay	8.436		Rye	1.453	Water 0.226
Idle	0.190		Safflower	0.841	Wheat_spring 25.056
Idle_fallow	23.302				
%aband= .23		%strip= 13.37	%notice= 12.10		%special= 2.85
SEGMENT 1899			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	30.041		Idle	0.072	Sunflower 5.918
Beets_sugar	12.514		Idle_fallow	8.569	Trees 0.571
Corn	0.097		Non_agricult	1.692	Uninventoryd 6.618*
Flax	0.489		Oats	0.154	Water 0.970
Hay	1.365		Pasture	2.458	Wheat_spring 28.471
%aband= .61			%notice= 6.62		%special= 5.17
SEGMENT 1913			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	0.870		Non_agricult	1.696	Sorghum 0.449
Flax	0.589		Oats	2.326	Water 0.129
Hay	9.602		Pasture	30.566	Wheat_spring 22.975
Idle_fallow	26.690		Rye	0.302	Wheat_winter 3.805
%aband= 30.87		%strip= 30.85			%special= 3.40

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TABLE 7. GROUND TRUTH SUMMARY DATA FOR 1977, concluded.

SEGMENT 1924			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	1.847		Non_agricult	5.928	
Corn	2.458		Oats	7.315	
Flax	2.048		Pasture	16.115	
Hay	12.331		Rye	0.463	
Idle_fallow	12.712		Sorghum	0.262	
Millet	0.392		Sunflower	3.658	
%aband=	.17		%notice=	.25	%special= 3.11

SEGMENT 1927			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	6.784		Non_agricult	8.257	
Corn	5.871		Oats	6.216	
Flax	1.473		Pasture	27.264	
Hay	10.050		Rye	0.273	
Idle_fallow	0.941		Sunflower	6.410	
			%notice=	6.88	%special= 2.30

SEGMENT 1937			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	25.234		Non_agricult	1.764	
Flax	0.140		Oats	0.512	
Hay	9.953		Pasture	5.149	
Idle_fallow	30.309		Specialfield	2.946	
		%strip = 24.54;	%notice=	.89	%special= 3.52

SEGMENT 1944			YEAR 1977		
Crop	Percent		Crop	Percent	
Barley	3.853		Pasture	5.688	
Hay	0.873		Safflower	1.265	
Idle_fallow	34.081		Specialfield	3.036	
Non_agricult	2.213		Trees	0.025	
Oats	0.066				
		%strip = 11.76;	%notice=	7.58	%special= 3.04

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978.

SEGMENT 107 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	50.356	Oats	2.256	Uninventoryd	3.129
Hay	4.833	Pasture	1.793	Vegetables	1.355
Idle	1.908	Soybeans	29.247	Wheat_spring	0.147
Idle_fallow	0.176	Trees	2.364	Wheat_winter	0.349
Non_agricult	2.088				
: * %notice= 4.71; %special= 5.12					
SEGMENT 123 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	31.205	Non_agricult	9.931	Trees	10.599
Hay	1.973	Pasture	2.900	Uninventoryd	6.072
Idle	0.859	Sorghum	0.050	Water	3.291
Idle_fallow	0.600	Soybeans	30.386	Wheat_winter	2.134
: * %notice= 1.69					
SEGMENT 127 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	49.418	Oats	0.711	Trees	5.461
Hay	1.290	Pasture	1.308	Uninventoryd	2.846
Idle	0.467	Soybeans	30.756	Water	0.119
Idle_fallow	0.140	Sunflower	0.216	Wheat_winter	2.285
Non_agricult	4.983				
: * %notice= .68; %special= 2.75					
SEGMENT 133 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	31.072	Non_agricult	8.302	Trees	16.359
Hay	10.790	Oats	0.737	Uninventoryd	4.441
Idle	3.995	Pasture	3.927	Water	0.420
Idle_fallow	0.399	Soybeans	17.067	Wheat_winter	4.491
: * %notice= 8.41; %special= 2.54					
SEGMENT 134 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	19.996	Non_agricult	1.603	Sorghum	0.025
Hay	2.480	Oats	2.912	Soybeans	12.674
Idle	0.611	Pasture	1.294	Trees	58.404
: * %notice= 2.44; %special= 2.15					
SEGMENT 135 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	38.129	Non_agricult	2.838	Soybeans	24.087
Hay	11.580	Oats	4.484	Trees	1.365
Idle	4.315	Pasture	8.620	Uninventoryd	4.502
Idle_fallow	0.079				
: * %notice= 9.58; %special= 2.16					
SEGMENT 141 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	24.127	Pasture	26.383	Trees	7.610
Hay	13.441	Sorghum	0.054	Uninventoryd	1.549
Non_agricult	2.846	Soybeans	18.881	Water	0.262
Oats	4.847				
: * %notice= 5.07; %special= 4.25					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 142		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	39.135	Pasture	12.044	Trees	0.029
Hay	2.181*	Sorghum	0.115	Uninventoryd	19.187*
Non_agricult	1.929	Soybeans	23.301	Water	0.054
Oats	2.026				
: * %notice= .87; %special= 3.41					
SEGMENT 144		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	19.391	Oats	1.099	Soybeans	20.297
Hay	5.745*	Pasture	7.772	Trees	30.914
Idle	0.154	Rye	0.097	Uninventoryd	5.278*
Idle_fallow	0.072	Sorghum	0.047	Water	3.604
Non_agricult	5.530				
: * %notice= 5.34; %special= 3.49					
SEGMENT 145		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.366	Oats	0.079	Trees	4.696
Corn	22.093	Pasture	15.971	Uninventoryd	27.756*
Hay	6.845*	Rye	0.036	Water	0.151
Idle_fallow	0.144	Sorghum	0.036	Wheat_winter	0.022
Non_agricult	5.088	Soybeans	16.718		
: * %notice= 3.11					
SEGMENT 146		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.137	Non_agricult	2.468	Trees	8.925
Corn	16.000	Pasture	2.533	Uninventoryd	18.949*
Hay	11.030*	Sorghum	1.976	Vegetables	0.183
Idle	0.765	Soybeans	36.199	Water	0.129
Idle_fallow	0.704				
: * %notice= 1.32; %special= 3.03					
SEGMENT 153		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	12.705	Pasture	20.825	Uninventoryd	1.523
Hay	3.708*	Sorghum	0.154	Water	0.420
Idle_fallow	5.307	Soybeans	12.403	Wheat_winter	0.651
Non_agricult	3.690	Trees	38.603		
%aband= .27					
: * %notice= 2.83; %special= 3.32					
SEGMENT 161		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	8.580	Pasture	4.915	Trees	13.409
Hay	10.244*	Sorghum	1.743	Uninventoryd	14.760*
Idle	0.341	Soybeans	24.267	Water	0.079
Non_agricult	21.662				
: * %notice= 2.44					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 174 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	29.409	Pasture	1.904	Soybeans	26.893
Hay	0.126*	Peanuts	1.013	Trees	11.702
Idle	0.984	Potatoes	0.920	Uninventoryd	1.243
Idle_fallow	5.706	Rice	15.371	Water	0.643
Non_agricult	2.723	Sorghum	1.362		
%aband*	.03			* %notice*	.13; %special* 3.75
SEGMENT 175 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.643	Non_agricult	1.419	Trees	59.065
Hay	5.666*	Pasture	26.110	Uninventoryd	0.172*
Idle	1.426	Soybeans	4.678	Water	0.819
				* %notice*	5.63
SEGMENT 178 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	22.995	Oats	1.983	Trees	15.780
Hay	5.573*	Pasture	1.308	Uninventoryd	27.853*
Idle	5.720	Rye	0.352	Water	0.147
Idle_fallow	0.187	Soybeans	8.343	Wheat_winter	3.277
Non_agricult	6.482				
				* %notice*	4.10; %special* 3.57
SEGMENT 180 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	14.257	Non_agricult	7.067	Uninventoryd	3.377*
Flax	0.032	Oats	0.309	Vegetables	1.060
Hay	16.348*	Pasture	4.150	Water	0.848
Idle	0.693	Sorghum	0.205	Wheat_spring	0.022
Idle_fallow	1.685	Soybeans	0.190	Wheat_winter	1.520
Invalid_code	16.201	Trees	32.035		
				* %notice*	.91; %special* 2.12
SEGMENT 183 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.640	Non_agricult	4.297	Trees	1.976
Corn	46.853	Oats	1.132	Uninventoryd	2.188
Hay	3.155*	Pasture	0.568	Vegetables	0.733
Idle	2.824	Potatoes	0.119	Water	0.004
Idle_fallow	1.024	Soybeans	33.735	Wheat_spring	0.755
				* %notice*	.06; %special* 5.97
SEGMENT 184 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.043	Pasture	6.539	Trees	31.126
Corn	19.970	Rye	0.341	Uninventoryd	13.107*
Hay	13.639*	Sorghum	0.014	Vegetables	0.402
Non_agricult	3.589	Soybeans	5.972	Water	0.007
Oats	3.600	Sunflower	0.313	Wheat_winter	1.337
				* %notice*	10.00; %special* 2.31

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 188 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.197	Idle_fallow	1.319	Soybeans	6.830
Beets_sugar	1.121	Non_agricult	6.812	Sunflower	20.185
Corn	5.512	Oats	2.928	Trees	0.172
Flax	0.047	Pasture	1.426	Uninventoryd	15.382
Hay	2.242	Rye	0.392	Wheat_spring	26.455
Idle	1.980				
%aband=	.19			%notice=	.40
				%special=	3.36
SEGMENT 190 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	6.992	Pasture	20.412	Trees	25.503
Cotton	11.688	Sorghum	0.607	Uninventoryd	19.438
Idle	1.883	Soybeans	8.594	Water	0.561
Non_agricult	4.322				
				%special=	2.02
SEGMENT 194 YEAR 1978					
CROP	PERCENT	CROP	PERCENT	CROP	PERCENT
Corn	0.402	Pasture	21.389	Uninventoryd	2.691
Hay	3.212	Sorghum	1.017	Water	0.313
Idle	2.468	Soybeans	57.879	Wheat_winter	0.442
Non_agricult	4.179	Trees	6.007		
				%notice=	3.21
				%special=	2.37
SEGMENT 195 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	3.385	Non_agricult	2.414	Trees	20.793
Cotton	1.444	Pasture	9.766	Uninventoryd	2.504
Hay	2.364	Sorghum	0.176	Water	0.503
Idle	1.495	Soybeans	55.156		
%aband=	.05			%notice=	2.52
				%special=	3.27
SEGMENT 196 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	6.823	Pasture	1.452	Trees	9.115
Hay	0.388	Rice	2.019	Uninventoryd	1.807
Idle_fallow	0.388	Soybeans	75.417	Water	1.204
Non_agricult	1.387				
				%notice=	1.05
				%special=	5.75
SEGMENT 198 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	9.708	Peanuts	2.957	Trees	10.941
Idle_fallow	2.465	Rice	5.145	Uninventoryd	1.491
Non_agricult	0.582	Soybeans	64.760	Water	1.937
Pasture	0.014				
				%special=	2.76
SEGMENT 200 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.923	Idle_fallow	0.244	Soybeans	27.289
Cotton	24.612	Non_agricult	1.373	Trees	22.956
Hay	2.907	Pasture	15.870	Uninventoryd	0.478
Idle	1.703	Sorghum	0.859	Water	0.787
				%notice=	1.75
				%special=	1.42

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 202 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	24.177	Pasture	22.287	Trees	1.685
Hay	4.362*	Rye	0.183	Uninventoryd	6.320*
Idle	2.547	Sorghum	1.178	Water	0.266
Idle_fallow	2.864	Soybeans	32.380	Wheat_winter	0.381
Non_agricult	1.369				
%band=	.68			%notice=	1.19; %special= 3.97
SEGMENT 204 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	11.505	Sorghum	2.817	Uninventoryd	26.911*
Hay	3.643*	Soybeans	32.093	Water	0.905
Non_agricult	3.625	Trees	7.937	Wheat_winter	7.258
Pasture	3.306				
				%notice=	.64
SEGMENT 205 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.284	Non_agricult	4.315	Trees	10.283
Corn	17.113	Oats	0.154	Uninventoryd	9.920
Hay	0.165*	Pasture	0.187	Water	5.275
Idle	0.413	Sorghum	0.014	Wheat_winter	2.012
Idle_fallow	3.733	Soybeans	46.130		
				%notice=	.17; %special= 3.22
SEGMENT 209 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	8.379	Non_agricult	1.311	Trees	16.212
Hay	2.062*	Oats	0.147	Uninventoryd	8.095*
Idle	4.207	Pasture	33.688	Water	0.172
Idle_fallow	2.555	Sorghum	1.577	Wheat_winter	0.295
Invalid_code	0.349	Soybeans	20.951		
				%notice=	2.31; %special= 2.66
SEGMENT 211 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	6.582	Non_agricult	2.102	Trees	13.068
Hay	11.537*	Pasture	26.275	Uninventoryd	10.535*
Idle	1.028	Sorghum	4.843	Water	0.205
Idle_fallow	0.812	Soybeans	22.564	Wheat_winter	0.449
				%notice=	11.07; %special= 1.99
SEGMENT 215 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	18.288	Pasture	10.477	Uninventoryd	19.524
Hay	2.677*	Sorghum	6.259	Water	0.129
Idle	1.042	Soybeans	15.762	Wheat_winter	5.763
Non_agricult	1.642	Trees	18.436		
				%notice=	1.50; %special= 2.50
SEGMENT 216 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	6.521	Pasture	38.542	Uninventoryd	8.224
Hay	10.344*	Sorghum	1.286	Water	0.111
Idle	2.882	Soybeans	19.125	Wheat_winter	1.315
Non_agricult	1.430	Trees	10.218		
				%notice=	10.34; %special= 3.24

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 221 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.025	Non_agricult	3.898	Trees	4.383
Corn	24.328	Oats	1.682	Uninventoryd	1.376
Hay	57.075	Rye	2.034	Water	0.446
Idle	2.756	Sorghum	0.532	Wheat_winter	0.151
Invalid_code	1.315				
; * %notice= .76; %special= 1.32					
SEGMENT 222 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.133	Non_agricult	3.015	Sorghum	0.072
Corn	48.484	Oats	0.093	Trees	0.471
Hay	38.959	Pasture	1.750	Uninventoryd	1.178
Idle	5.562	Potatoes	0.014	Water	0.050
Idle_fallow	0.219				
; %special= 3.03					
SEGMENT 240 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.313	Non_agricult	7.441	Sunflower	0.198
Corn	27.846	Oats	14.074	Trees	1.222
Flax	1.347	Pasture	12.378	Uninventoryd	7.243
Hay	17.512	Rye	0.259	Water	0.406
Idle	3.518	Sorghum	0.338	Wheat_spring	0.471
Idle_fallow	1.258	Soybeans	4.179		
%aband= .25					
; * %notice= 4.40; %special= 3.77					
SEGMENT 241 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.144	Non_agricult	4.110	Sunflower	1.164
Corn	25.650	Oats	9.410	Trees	0.747
Flax	0.578	Pasture	20.857	Uninventoryd	5.070
Hay	8.709	Rye	0.280	Water	0.108
Idle	6.392	Sorghum	0.654	Wheat_spring	9.769
Idle_fallow	0.183	Soybeans	5.785	Wheat_winter	0.151
Invalid_code	0.237				
; * %notice= 1.23; %special= 3.23					
SEGMENT 246 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	35.567	Oats	2.583	Uninventoryd	7.243
Hay	15.148	Pasture	5.892	Water	0.780
Idle	5.990	Rye	0.029	Wheat_spring	0.076
Idle_fallow	0.165	Soybeans	2.174	Wheat_winter	0.377
Non_agricult	16.761	Trees	7.211		
; * %notice= 2.71; %special= 3.29					
SEGMENT 247 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.083	Hay	1.091	Oats	0.267
Beans	0.263	Idle	0.483	Pasture	1.099
Corn	0.944	Non_agricult	0.674	Trees	95.098
; * %notice= .44					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 800 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	52.777	Oats	1.761	Soybeans	27.555
Hay	3.025-	Pasture	3.500	Trees	1.904
Idle	1.548	Sorghum	0.018	Uninventoryd	3.151
Non_agricult	4.757				
: * %notice= 2.85; %special= 3.84					
SEGMENT 804 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.733	Invalid_code	0.043	Soybeans	28.553
Corn	45.699	Non_agricult	1.814	Trees	0.338
Hay	4.868-	Oats	4.315	Uninventoryd	4.304
Idle	0.097	Pasture	9.194	Water	0.040
: * %notice= .49; %special= 4.36					
SEGMENT 807 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	53.510	Pasture	4.355	Uninventoryd	8.806
Hay	9.683-	Rye	0.079	Water	0.086
Non_agricult	3.974	Soybeans	9.248	Wheat_winter	0.057
Oats	7.797	Trees	2.404		
: * %notice= 9.59; %special= 3.36					
SEGMENT 808 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	53.068	Oats	2.573	Uninventoryd	7.894
Hay	5.519-	Pasture	3.349	Vegetables	2.659
Idle	1.886	Soybeans	12.680	Water	0.104
Non_agricult	3.107	Trees	6.952	Wheat_winter	0.129
: * %notice= 1.67; %special= 4.37					
SEGMENT 812 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.079	Pasture	0.913	Trees	1.771
Cotton	8.048	Rice	33.382	Uninventoryd	13.402
Idle_fallow	0.366	Soybeans	39.994	Water	0.618
Non_agricult	1.426				
: %special= 3.09					
SEGMENT 824 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	49.756	Non_agricult	1.531	Soybeans	42.703
Hay	0.880-	Oats	1.074	Uninventoryd	3.424-
Idle	0.047	Pasture	0.338	Water	0.022
Idle_fallow	0.022	Sorghum	0.205		
: * %notice= 1.68; %special= 5.23					
SEGMENT 828 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	50.463	Pasture	0.945	Trees	1.010
Hay	0.722-	Rye	0.043	Uninventoryd	1.538
Idle	3.489	Sorghum	0.040	Water	0.014
Non_agricult	5.548	Soybeans	35.276	Wheat_winter	0.205
Oats	0.708				
: * %notice= .72; %special= 3.81					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 832 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	21.804	Oats	1.452	Trees	7.682
Hay	5.774*	Pasture	1.714	Uninventoryd	2.803*
Idle	0.083	Rye	0.011	Water	0.079
Idle_fallow	0.395	Sorghum	0.050	Wheat_winter	8.447
Non_agricult	11.465	Soybeans	38.542		
: * %notice= 1.15; %special= 1.77					
SEGMENT 837 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	42.986	Oats	0.708	Uninventoryd	2.623*
Hay	4.247*	Pasture	1.764	Vegetables	0.356
Idle	0.826	Soybeans	36.817	Water	0.126
Non_agricult	4.868	Trees	4.042	Wheat_winter	0.636
: * %notice= 1.29; %special= 4.01					
SEGMENT 840 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	21.490	Non_agricult	4.455	Trees	13.919
Hay	3.740*	Oats	0.287	Uninventoryd	4.376
Idle	1.585	Pasture	6.590	Water	0.273
Idle_fallow	0.331	Soybeans	37.302	Wheat_winter	5.652
: * %notice= 1.41; %special= 3.88					
SEGMENT 842 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	42.437	Pasture	7.430	Uninventoryd	3.054*
Hay	5.519*	Soybeans	28.575	Water	0.255
Non_agricult	4.951	Trees	5.127	Wheat_winter	2.052
Oats	0.600				
: * %notice= 3.33; %special= 3.48					
SEGMENT 843 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	32.006	Oats	0.661	Uninventoryd	1.782
Hay	4.067*	Pasture	10.650	Water	0.108
Idle	0.507	Soybeans	31.435	Wheat_winter	2.907
Non_agricult	7.743	Trees	8.135		
: * %notice= 2.13; %special= 3.31					
SEGMENT 844 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	39.081	Oats	0.564	Trees	7.653
Hay	1.322*	Pasture	9.396	Uninventoryd	16.445*
Invalid_code	1.886	Sorghum	0.140	Water	0.022
Non_agricult	0.586	Soybeans	21.540	Wheat_winter	1.365
: * %notice= 3.19; %special= .73					
SEGMENT 848 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	32.305	Non_agricult	4.829	Uninventoryd	6.173*
Hay	2.120*	Oats	0.032	Water	0.047
Idle	1.592	Pasture	3.819	Wheat_spring	0.129
Idle_fallow	0.230	Soybeans	30.048	Wheat_winter	5.846
Invalid_code	0.050	Trees	12.780		
%aband= .05					
: * %notice= 1.51; %special= 2.44					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 881 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	52.565	Non_agricult	2.555	Trees	3.791
Hay	1.886*	Oats	0.043	Uninventoryd	0.309
Idle	0.126	Pasture	2.353	Water	0.036
Idle_fallow	0.198	Soybeans	34.227	Wheat_winter	0.349
Invalid_code	1.563				
: * %notice= 1.89; %special= 6.27					
SEGMENT 882 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	26.955	Oats	0.834	Uninventoryd	2.443
Hay	8.016*	Pasture	10.621	Vegetables	0.338
Idle_fallow	0.726	Soybeans	30.576	Water	0.104
Non_agricult	5.217	Trees	10.977	Wheat_winter	3.194
: * %notice= 5.94; %special= 2.71					
SEGMENT 883 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	34.874	Oats	1.430	Uninventoryd	2.141*
Hay	6.410*	Pasture	4.272	Water	0.287
Idle_fallow	0.061	Soybeans	29.969	Wheat_winter	6.881
Non_agricult	6.180	Trees	7.495		
: * %notice= 3.01; %special= 3.10					
SEGMENT 884 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	49.008	Oats	0.751	Trees	0.711
Hay	2.353*	Pasture	2.059	Uninventoryd	0.776*
Idle	0.737	Sorghum	0.147	Water	0.032
Idle_fallow	0.525	Soybeans	41.194	Wheat_winter	0.104
Non_agricult	1.602				
: * %notice= .50; %special= 3.69					
SEGMENT 885 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	29.531	Pasture	8.249	Uninventoryd	2.113
Hay	5.224*	Soybeans	28.690	Water	1.466
Non_agricult	0.370	Trees	23.160	Wheat_winter	0.808
Oats	0.388				
: * %notice= 1.71; %special= 1.87					
SEGMENT 886 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	28.234	Non_agricult	13.114	Trees	5.310
Hay	6.758*	Oats	0.543	Uninventoryd	7.764
Idle	0.266	Pasture	1.006	Water	0.453
Idle_fallow	0.679	Soybeans	31.144	Wheat_winter	4.728
: * %notice= 5.72; %special= 1.80					
SEGMENT 887 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	31.834	Non_agricult	1.017	Soybeans	26.067
Hay	4.789*	Oats	1.980	Trees	0.119
Idle	2.170	Pasture	5.817	Uninventoryd	24.271*
Idle_fallow	0.837	Sorghum	0.956	Water	0.036
Invalid_code	0.108				
: * %notice= 5.16; %special= 4.62					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 884 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	45.013	Oats	0.108	Trees	5.404
Hay	6.162*	Pasture	16.470	Uninventoryd	2.515
Idle	9.780	Soybeans	11.771	Water	0.341
Non_agricult	2.436				
; * %notice= .40; %special= 1.95					
SEGMENT 885 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	32.905	Pasture	22.176	Trees	5.292
Hay	8.106*	Sorghum	1.301	Uninventoryd	5.152*
Idle	7.075	Soybeans	14.225	Water	0.550
Non_agricult	3.219				
; * %notice= .14; %special= 1.71					
SEGMENT 887 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	41.991	Oats	1.502	Soybeans	41.786
Hay	0.956*	Pasture	1.520	Trees	0.252
Non_agricult	3.018	Sorghum	0.133	Uninventoryd	8.842
; * %notice= .54; %special= 6.14					
SEGMENT 870 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	45.239	Non_agricult	6.485	Trees	0.234
Hay	4.908*	Oats	4.207	Uninventoryd	3.219*
Idle	2.098	Pasture	2.828	Water	0.568
Invalid_code	0.172	Soybeans	30.041		
; * %notice= 5.09; %special= 1.83					
SEGMENT 874 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	47.277	Oats	2.012	Trees	0.499
Hay	1.477*	Pasture	0.546	Uninventoryd	1.290
Non_agricult	3.079	Soybeans	43.820		
; * %notice= 1.48; %special= 4.87					
SEGMENT 877 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	37.730	Non_agricult	3.022	Soybeans	19.966
Hay	5.508*	Oats	1.232	Trees	0.115
Idle	0.291	Pasture	10.689	Uninventoryd	20.926*
Idle_fallow	0.172	Rye	0.047	Water	0.302
; * %notice= 5.58; %special= 4.77					
SEGMENT 878 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	43.177	Non_agricult	2.055	Soybeans	42.437
Hay	2.461*	Oats	2.859	Trees	3.076
Idle	1.703	Pasture	1.211	Uninventoryd	1.222
; * %notice= 2.16; %special= 3.93					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 880		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.708	Non_agricult	3.999	Trees	0.244
Corn	44.517	Oats	0.891	Uninventoryd	2.371
Hay	0.180	Pasture	0.737	Water	0.011
Idle	4.240	Sorghum	0.658	Wheat_winter	1.735
Idle_fallow	1.944	Soybeans	37.766		
				; %special= 7.13	
SEGMENT 881		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	43.209	Non_agricult	4.434	Soybeans	8.023
Hay	3.309*	Oats	2.120	Trees	9.367
Idle	4.667	Pasture	21.842	Uninventoryd	2.141*
Idle_fallow	0.115	Sorghum	0.075	Water	0.697
				; * %notice= .41; %special= 3.72	
SEGMENT 882		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	42.645	Non_agricult	4.085	Soybeans	38.502
Hay	1.168*	Oats	1.495	Trees	0.474
Idle	1.290	Pasture	2.856	Uninventoryd	6.762
Idle_fallow	0.234	Sorghum	0.065	Water	0.424
				; * %notice= .83; %special= 7.11	
SEGMENT 883		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	29.405	Non_agricult	4.692	Soybeans	31.837
Hay	4.398*	Oats	0.747	Trees	0.521
Idle	1.459	Pasture	10.628	Uninventoryd	12.227*
Invalid_code	0.050	Sorghum	0.047	Water	3.988
				; * %notice= 4.29; %special= 3.41	
SEGMENT 886		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.402	Non_agricult	4.110	Trees	2.095
Corn	46.587	Oats	2.059	Uninventoryd	4.286
Hay	6.295*	Pasture	7.491	Water	0.359
Idle	0.029	Sorghum	0.216	Wheat_winter	0.198
Idle_fallow	0.345	Soybeans	25.528		
				; * %notice= 3.42; %special= 3.27	
SEGMENT 890		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	48.322	Oats	2.203	Trees	0.137
Hay	2.206*	Pasture	7.014	Uninventoryd	4.290*
Idle	2.914	Soybeans	29.542	Water	0.054
Non_agricult	3.320				
				; * %notice= 1.48; %special= 4.12	
SEGMENT 891		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	46.461	Pasture	9.338	Trees	0.205
Hay	6.952*	Safflower	0.061	Uninventoryd	4.308*
Non_agricult	3.392	Sorghum	0.029	Water	0.007
Oats	12.572	Soybeans	16.675		
				; * %notice= 8.18	

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 882 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	50.198	Oats	7.632	Trees	1.125
Hay	9.054*	Pasture	8.206	Uninventoryd	4.876*
Idle	0.108	Rye	0.054	Water	0.787
Idle_fallow	0.025	Sorghum	0.234	Wheat_winter	0.068
Non_agricult	3.359	Soybeans	14.275		
; * %notice=10.41; %special= 3.77					
SEGMENT 883 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	41.125	Non_agricult	4.189	Trees	2.957
Hay	2.813*	Oats	1.527	Uninventoryd	6.802*
Idle	0.137	Pasture	1.574	Water	0.234
Idle_fallow	0.650	Soybeans	37.992		
; * %notice= 3.41; %special= 5.52					
SEGMENT 884 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	34.730	Non_agricult	11.110	Trees	7.017
Hay	0.852*	Oats	0.072	Uninventoryd	9.971*
Idle	0.848	Pasture	1.024	Water	1.462
Idle_fallow	0.172	Soybeans	32.743		
; * %notice= 1.01; %special= 4.25					
SEGMENT 885 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	53.489	Non_agricult	4.567	Soybeans	9.176
Hay	1.879	Oats	3.888	Trees	2.404
Idle	5.637	Pasture	13.323	Uninventoryd	4.617*
Idle_fallow	0.374	Sorghum	0.140	Water	0.507
; * %notice= .11					
SEGMENT 1003 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	8.038	Non_agricult	0.938	Uninventoryd	1.114*
Hay	6.439*	Pasture	28.521	Water	3.227
Idle	2.619	Sorghum	1.915	Wheat_spring	0.280
Idle_fallow	24.849	Trees	0.212	Wheat_winter	21.849
%aband= 1.56 ; * %notice= 1.82; %special= 11.64					
SEGMENT 1008 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	67.900	Non_agricult	2.928	Trees	2.659
Hay	8.871*	Oats	0.180	Uninventoryd	1.682
Idle	1.376	Pasture	3.963	Water	0.065
Idle_fallow	6.137	Sorghum	1.721	Wheat_winter	1.326
Invalid_code	0.004	Soybeans	1.189		
%aband= .57 ; * %notice= .10; %special= .72					
SEGMENT 1023 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	19.391	Pasture	12.866	Trees	0.036
Hay	2.476*	Rye	0.892	Uninventoryd	0.859
Idle	2.425	Sorghum	4.477	Water	0.093
Idle_fallow	25.392	Soybeans	0.496	Wheat_winter	28.546
Non_agricult	1.951				
; * %notice= 1.27; %special= 5.44					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1035 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.158	Idle_fallow	31.970	Trees	0.108
Beets_sugar	2.152	Non_agricult	0.647	Uninventoryd	1.193
Corn	12.019	Oats	0.050	Water	0.032
Hay	2.752	Pasture	5.242	Wheat_winter	38.387
Idle	3.949	Sorghum	1.340		
%band=	.79	%notice=	.78	%special=	7.41
SEGMENT 1041 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	1.038	Non_agricult	1.484	Uninventoryd	11.217
Hay	16.327	Trees	0.061	Wheat_winter	35.089
Idle_fallow	34.784				
		%notice=	8.55		
SEGMENT 1047 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.937	Non_agricult	0.269	Uninventoryd	0.952
Hay	1.822	Pasture	11.652	Water	0.025
Idle	25.525	Rye	0.119	Wheat_winter	36.968
Idle_fallow	14.800	Sorghum	5.932		
%band=	2.35	%notice=	.19	%special=	5.87
SEGMENT 1075 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	27.619	Oats	0.022	Soybeans	0.420
Hay	16.154	Pasture	40.148	Trees	3.435
Idle	0.780	Rye	0.073	Uninventoryd	0.834
Idle_fallow	1.991	Safflower	0.061	Water	1.739
Non_agricult	4.139	Sorghum	0.722	Wheat_winter	1.858
%band=	.03	%notice=	3.42	%special=	.66
SEGMENT 1077 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.359	Idle_fallow	9.906	Sunflower	0.287
Beets_sugar	1.304	Non_agricult	5.095	Trees	0.022
Corn	38.495	Oats	2.436	Uninventoryd	7.822
Cotton	8.109	Pasture	3.442	Water	0.449
Hay	1.516	Sorghum	3.535	Wheat_spring	0.183
Idle	3.571	Soybeans	1.487	Wheat_winter	11.979
%band=	5.84	%notice=	2.55	%special=	.10
SEGMENT 1081 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.079	Non_agricult	0.277	Trees	0.065
Beets_sugar	0.040	Oats	0.158	Uninventoryd	2.008
Hay	2.095	Pasture	70.746	Water	0.004
Idle	1.667	Sorghum	0.402	Wheat_winter	9.735
Idle_fallow	12.725				
%band=	.82	%strip=	.74	%notice=	.20
				%special=	3.29

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1181				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	8.206	Non_agricult	8.871	Soybeans	1.355		
Flax	0.004	Oats	0.758	Trees	6.004		
Hay	8.206*	Pasture	14.516	Uninventoryd	1.646*		
Idle	5.041	Rye	0.040	Water	1.796		
Idle_fallow	6.022	Sorghum	15.001	Wheat_winter	22.535		
%aband*	.05			%notice*	1.48	%special*	1.98
SEGMENT 1184				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Hay	9.586*	Pasture	44.575	Water	2.393		
Idle	16.747	Sorghum	2.580	Wheat_spring	0.356		
Non_agricult	2.450	Uninventoryd	1.283*	Wheat_winter	19.923		
Oats	0.108						
				%notice*	3.73		
SEGMENT 1188				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.176	Oats	0.967	Trees	6.173		
Corn	6.528	Pasture	25.794	Uninventoryd	1.462*		
Hay	9.123*	Rye	0.054	Water	0.808		
Idle	5.821	Sorghum	22.506	Wheat_spring	0.018		
Idle_fallow	0.172	Soybeans	14.182	Wheat_winter	3.913		
Non_agricult	2.303						
%aband*	1.05			%notice*	7.18	%special*	.54
SEGMENT 1189				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	11.063	Oats	0.977	Trees	2.005		
Hay	9.654*	Pasture	28.359	Uninventoryd	1.757		
Idle	5.005	Rye	0.018	Water	0.205		
Idle_fallow	0.248	Sorghum	27.522	Wheat_winter	6.938		
Non_agricult	3.819	Soybeans	2.429				
%aband*	.29			%notice*	4.21	%special*	1.76
SEGMENT 1173				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.075	Non_agricult	2.077	Trees	0.356		
Corn	1.390	Pasture	20.926	Uninventoryd	2.853*		
Hay	6.018*	Safflower	0.126	Water	0.068		
Idle	1.135	Sorghum	14.070	Wheat_winter	27.865		
Idle_fallow	22.735	Soybeans	0.305				
				%strip*	.89	%notice*	2.32
SEGMENT 1175				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.053*	Idle_fallow	22.352	Soybeans	2.432		
Corn	5.914	Invalid_code	0.172	Trees	0.463		
Cotton	0.007	Non_agricult	3.643	Uninventoryd	1.276		
Flax	0.011	Oats	0.101	Water	0.381		
Hay	12.464*	Pasture	9.421	Wheat_spring	0.057		
Idle	0.309	Sorghum	1.042	Wheat_winter	38.901		
				%strip*	.01	%notice*	2.50
						%special*	2.41

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1228 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	8.325*	Pasture	21.666	Uninventoryd	2.267
Idle	5.526	Sorghum	3.794	Water	6.234
Idle_fallow	6.590	Trees	0.844	Wheat_winter	44.140
Non_agricult	0.614				
; * %notice= .37; %special= 4.93					
SEGMENT 1238 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.316	Oats	0.018	Uninventoryd	0.392*
Hay	3.834	Pasture	82.351	Water	0.600
Idle	1.157	Sorghum	4.851	Wheat_winter	5.228
Non_agricult	0.596	Soybeans	0.658		
%aband= .41					
; * %notice= .24; %special= 1.28					
SEGMENT 1283 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.259	Non_agricult	14.275	Trees	10.463
Corn	0.963	Oats	0.047	Uninventoryd	0.812
Hay	3.316	Pasture	27.364	Water	5.752
Idle	0.090	Sorghum	0.492	Wheat_winter	2.113
Idle_fallow	0.528	Soybeans	33.326		
SEGMENT 1281 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	1.365	Invalid_code	0.050	Sorghum	4.822
Idle	30.325	Non_agricult	1.042	Uninventoryd	2.127*
Idle_fallow	1.956	Pasture	29.319	Wheat_winter	28.994
; %strip = .31; * %notice= .56; %special= 5.59					
SEGMENT 1286 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.189	Non_agricult	0.305	Uninventoryd	0.406
Hay	1.365*	Pasture	40.586	Water	0.018
Idle	0.359	Sorghum	5.393	Wheat_winter	22.467
Idle_fallow	27.910				
; * %notice= .16; %special= 3.98					
SEGMENT 1288 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	2.522*	Oats	0.101	Trees	0.848
Idle	2.382	Pasture	10.412	Uninventoryd	3.535
Idle_fallow	17.568	Sorghum	14.641	Water	0.072
Non_agricult	1.394	Soybeans	0.528	Wheat_winter	45.996
; %strip = .47; * %notice= .13					
SEGMENT 1341 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.593	Non_agricult	1.394	Trees	2.490
Corn	39.986	Pasture	7.402	Uninventoryd	2.188
Hay	3.022*	Sorghum	10.269	Water	0.097
Idle	3.241	Soybeans	13.635	Wheat_winter	12.514
Idle_fallow	3.169				
; * %notice= 2.61; %special= 2.71					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1348				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.327	Idle_fallow	19.905	Sorghum	3.670		
Corn	4.175	Non_agricult	1.380	Uninventoryd	1.214		
Hay	5.177	Oats	0.065	Wheat_spring	0.050		
Idle	2.149	Pasture	45.322	Wheat_winter	16.565		
; %strip = 1.56				; %special = 4.80			
SEGMENT 1377				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.002	Non_agricult	2.871	Sunflower	0.208		
Cotton	64.031	Pasture	9.137	Uninventoryd	0.870		
Hay	2.102	Peanuts	0.090	Water	0.043		
Idle	0.478	Sorghum	3.500	Wheat_winter	9.974		
Idle_fallow	4.736	Soybeans	0.959				
; %aband = .25				; * %notice = 1.02; %special = 2.89			
SEGMENT 1378				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.237	Non_agricult	1.114	Trees	0.093		
Corn	0.474	Oats	0.356	Uninventoryd	0.658		
Hay	9.302	Pasture	8.555	Wheat_spring	0.090		
Idle	14.164	Sorghum	0.366	Wheat_winter	37.816		
Idle_fallow	26.775						
; * %notice = 6.60; %special = 4.08							
SEGMENT 1380				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.086	Non_agricult	3.622	Soybeans	38.499		
Beets_sugar	2.878	Oats	1.829	Trees	0.241		
Corn	31.284	Pasture	0.783	Uninventoryd	10.966		
Hay	1.628	Sorghum	0.068	Wheat_spring	6.920		
Idle	1.196						
; * %notice = .12							
SEGMENT 1382				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.060	Non_agricult	0.632	Uninventoryd	1.441		
Hay	10.405	Oats	1.771	Water	0.032		
Idle	1.505	Pasture	56.194	Wheat_winter	14.013		
Idle_fallow	12.895	Trees	0.050				
; * %notice = 6.32; %special = 3.89							
SEGMENT 1387				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	17.656	Idle_fallow	27.131	Sunflower	1.955		
Corn	0.604	Mustard_seed	0.923	Trees	0.363		
Flax	0.014	Non_agricult	6.367	Uninventoryd	3.219		
Hay	10.024	Oats	0.237	Wheat_spring	30.645		
Idle	0.313	Pasture	0.359	Wheat_winter	0.190		
; * %notice = 2.53; %special = 3.10							

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1388				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.331	Non_agricult	3.740	Soybeans	14.573		
Corn	48.477	Oats	9.503	Trees	0.844		
Hay	10.527*	Pasture	6.719	Uninventoryd	1.527*		
Idle	2.767	Sorghum	0.970	Water	0.022		
				; * %notice= .05			
SEGMENT 1392				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	5.375	Non_agricult	13.700	Trees	0.327		
Flax	1.480	Oats	1.110	Uninventoryd	1.577*		
Hay	4.128*	Pasture	12.902	Water	1.002		
Idle	1.390	Sunflower	10.129	Wheat_spring	26.254		
Idle_fallow	20.624						
				; * %notice= 2.23; %special= 2.83			
SEGMENT 1394				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.192	Idle	5.526	Sunflower	2.799		
Corn	0.259	Idle_fallow	25.941	Uninventoryd	11.433*		
Flax	0.528	Non_agricult	6.331	Water	1.962		
Hay	10.678*	Oats	0.834	Wheat_spring	31.518		
				; * %notice= .97; %special= 3.51			
SEGMENT 1457				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.186	Mustard_seed	0.977	Sunflower	3.985		
Corn	0.025	Non_agricult	2.763	Trees	0.061		
Flax	1.750	Oats	2.598	Uninventoryd	1.139*		
Hay	5.540*	Pasture	7.175	Water	8.426		
Idle	4.588	Soybeans	0.043	Wheat_spring	38.143		
Idle_fallow	21.601						
%aband= .01; %strip= .01; * %notice= 1.58							
SEGMENT 1481				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	5.199	Non_agricult	3.740	Sunflower	0.665		
Corn	0.672	Oats	3.474	Trees	0.057		
Flax	4.527	Pasture	4.107	Uninventoryd	2.652*		
Hay	7.757*	Rye	1.290	Water	2.975		
Idle	3.054	Safflower	1.304	Wheat_spring	35.660		
Idle_fallow	22.866						
%aband= 5.15; * %notice= .74; %special= 4.61							
SEGMENT 1487				YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Barley	10.704	Non_agricult	7.225	Trees	0.144		
Flax	0.690	Oats	0.334	Uninventoryd	3.942*		
Hay	0.740	Pasture	0.313	Water	2.900		
Idle_fallow	30.325	Safflower	0.295	Wheat_spring	37.525		
Mixture_pix	2.242	Sunflower	2.623				
				; * %notice= .55; %special= 2.24			

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1472 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	8.835	Idle_fallow	11.048	Trees	0.420
Beets_sugar	0.568	Non_agricult	1.836	Uninventoryd	6.058
Corn	1.516	Oats	3.568	Water	1.509
Flax	0.216	Pasture	6.575	Wheat_spring	24.860
Hay	15.942	Rye	0.902	Wheat_winter	0.183
Idle	1.843	Sunflower	14.120		
%aband=	.33			%notice=	3.59
				%special=	3.39
SEGMENT 1473 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	17.013	Non_agricult	3.453	Sunflower	14.325
Beets_sugar	2.152	Oats	0.618	Trees	2.156
Flax	0.931	Pasture	0.280	Uninventoryd	5.314
Hay	1.236	Rye	0.244	Water	0.309
Idle	0.798	Soybeans	11.110	Wheat_spring	31.762
Idle_fallow	8.300				
				%notice=	4.55
				%special=	2.65
SEGMENT 1478 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	4.297	Non_agricult	0.528	Uninventoryd	0.410
Hay	1.692	Pasture	72.090	Water	0.359
Idle	0.790	Sorghum	1.204	Wheat_winter	9.015
Idle_fallow	9.615				
%aband=	.39			%special=	4.44
SEGMENT 1485 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	1.455	Idle_fallow	0.334	Trees	0.535
Corn	2.515	Non_agricult	1.764	Uninventoryd	24.148
Flax	0.280	Oats	5.300	Water	1.408
Hay	20.462	Pasture	31.101	Wheat_spring	9.220
Idle	1.477				
				%notice=	3.42
				%special=	3.17
SEGMENT 1488 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.453	Oats	0.798	Soybeans	0.151
Hay	5.039	Pasture	30.716	Trees	27.042
Idle	1.147	Peanuts	0.704	Uninventoryd	9.823
Idle_fallow	0.712	Rye	2.149	Water	2.488
Mixture_pix	0.0	Sorghum	0.762	Wheat_winter	3.041
Non_agricult	14.966				
%aband=	1.59			%notice=	3.53
				%special=	1.25
SEGMENT 1502 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.115	Idle_fallow	16.127	Sorghum	0.025
Beets_sugar	4.150	Non_agricult	16.822	Uninventoryd	0.949
Corn	11.210	Oats	0.693	Water	13.086
Hay	9.557	Pasture	10.384	Wheat_winter	14.201
Idle	2.619	Rye	0.061		
		%strip=	11.70	%notice=	1.54
				%special=	.88

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1518		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.835	Idle_fallow	5.034	Rye	0.187
Corn	0.065	Non_agricult	14.131	Trees	16.675
Flax	1.444	Oats	7.524	Uninventoryd	7.021
Hay	15.238*	Pasture	6.478	Wheat_spring	22.090
Idle	1.178				
		; * %notice= 5.84; %special= 3.59			
SEGMENT 1537		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.691	Non_agricult	0.269	Uninventoryd	1.340
Corn	0.248	Oats	0.830	Water	0.040
Hay	4.064*	Pasture	53.633	Wheat_spring	7.042
Idle_fallow	19.681	Safflower	0.503	Wheat_winter	9.660
		; %strip = 3.40; * %notice= 1.93; %special= 3.96			
SEGMENT 1542		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.165	Non_agricult	0.054	Water	1.775
Hay	1.362	Pasture	45.430	Wheat_spring	22.941
Idle	0.349	Safflower	1.171	Wheat_winter	0.826
Idle_fallow	21.195	Uninventoryd	4.732*		
		; %strip = .09; * %notice= .14; %special= 2.80			
SEGMENT 1544		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.545	Oats	1.055	Uninventoryd	2.476*
Hay	4.100*	Pasture	25.071	Water	0.068
Idle_fallow	30.727	Safflower	0.816	Wheat_spring	34.525
Non_agricult	1.304	Trees	0.022	Wheat_winter	0.316
		; * %notice= .19; %special= 2.47			
SEGMENT 1553		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.261	Oats	0.496	Uninventoryd	3.345
Hay	9.108*	Pasture	27.422	Wheat_spring	5.379
Idle_fallow	13.272	Sorghum	0.388	Wheat_winter	8.850
Non_agricult	30.479				
%aband= .65		; * %notice= 1.00; %special= 6.84			
SEGMENT 1555		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	5.160	Non_agricult	8.249	Sunflower	3.115
Corn	16.495	Oats	5.080	Trees	3.133
Flax	1.347	Pasture	3.715	Uninventoryd	16.035*
Hay	4.919*	Rye	0.237	Water	5.027
Idle	0.111	Soybeans	7.279	Wheat_spring	17.649
Idle_fallow	5.447				
%aband= .05		; * %notice= 1.02; %special= 2.94			

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1867		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	23.035	Mixture_pix	2.731	Trees	11.821
Hay	12.845*	Non_agricult	1.908	Uninventoryd	34.784*
Idle	2.188	Oats	4.215	Water	2.842
Idle_fallow	0.090	Pasture	0.981	Wheat_spring	0.737
Invalid_code	0.693	Soybeans	1.089	Wheat_winter	0.032
		; * %notice= 1.75;		%special= 2.73	
SEGMENT 1872		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	13.804	Oats	0.650	Uninventoryd	2.310*
Hay	8.479*	Pasture	63.962	Water	0.561
Idle_fallow	4.164	Sorghum	0.848	Wheat_winter	2.982
Non_agricult	0.880	Trees	1.358		
%aband= .06		; * %notice= .49;		%special= 2.16	
SEGMENT 1883		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.822	Non_agricult	2.163	Uninventoryd	3.650*
Hay	4.725*	Pasture	40.004	Water	11.203
Idle	1.688	Sorghum	2.107	Wheat_spring	0.154
Idle_fallow	16.612	Trees	3.291	Wheat_winter	12.568
%aband= .01; %strip = .28;		* %notice= 1.24;		%special= 4.47	
SEGMENT 1884		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	19.905	Idle	0.862	Sunflower	11.242
Beans	0.733	Idle_fallow	13.140	Trees	1.132
Beets_sugar	2.231	Non_agricult	4.143	Uninventoryd	3.007*
Corn	0.334	Oats	0.327	Water	0.363
Flax	1.405	Safflower	0.208	Wheat_spring	29.692
Hay	11.275				
		; * %notice= 1.43;		%special= 4.41	
SEGMENT 1891		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	14.537	Oats	0.284	Trees	7.693
Hay	8.469*	Pasture	37.482	Uninventoryd	5.864*
Idle	7.678	Sorghum	6.938	Water	1.811
Idle_fallow	0.122	Soybeans	0.884	Wheat_winter	5.368
Non_agricult	2.871				
		; * %notice= 1.33			
SEGMENT 1894		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.036	Non_agricult	2.425	Soybeans	0.923
Corn	7.513	Oats	0.870	Trees	5.267
Hay	7.031*	Pasture	23.390	Uninventoryd	1.796
Idle	5.573	Rye	0.040	Water	0.632
Idle_fallow	4.804	Sorghum	28.963	Wheat_winter	10.736
		; * %notice= 1.42;		%special= 2.60	

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1800 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.273	Non_agricult	1.229	Trees	2.220
Corn	2.846	Oats	0.388	Uninventoryd	1.606
Hay	5.447	Pasture	36.652	Water	2.109
Idle	5.760	Sorghum	17.498	Wheat_winter	18.278
Idle_fallow	5.695				
; * %notice= .97; %special= 3.61					
SEGMENT 1800 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	2.609	Idle_fallow	2.339	Sorghum	0.697
Corn	4.894	Non_agricult	1.894	Trees	0.284
Flax	0.147	Oats	6.234	Uninventoryd	2.116
Hay	25.410	Pasture	24.580	Water	12.654
Idle	2.792	Rye	3.460	Wheat_spring	9.891
; * %notice=16.80; %special= 2.53					
SEGMENT 1802 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.107	Non_agricult	6.133	Trees	0.284
Flax	0.083	Oats	1.962	Uninventoryd	0.704
Hay	10.571	Pasture	10.941	Water	11.002
Idle	28.097	Rye	0.844	Wheat_spring	26.563
Mustard_seed	0.183	Sunflower	1.466	Wheat_winter	0.061
; * %notice= 1.42					
SEGMENT 1812 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.269	Non_agricult	3.119	Sunflower	0.061
Corn	1.204	Oats	4.750	Trees	0.370
Flax	0.255	Pasture	30.231	Uninventoryd	0.859
Hay	30.562	Rye	0.165	Water	9.629
Idle_fallow	7.173	Sorghum	0.104	Wheat_spring	10.996
Invalid_code	0.252				
; %strip = .23; * %notice=20.51; %special= 2.57					
SEGMENT 1819 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	11.401	Idle	0.747	Potatoes	7.405
Beans	5.684	Idle_fallow	10.951	Sunflower	15.403
Beets_sugar	0.223	Non_agricult	4.261	Trees	1.268
Corn	4.071	Oats	0.399	Uninventoryd	1.322
Flax	0.295	Pasture	0.075	Wheat_spring	35.581
Hay	0.913				
; * %notice= .26; %special= 6.72					
SEGMENT 1836 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.296	Non_agricult	2.849	Sunflower	10.495
Corn	1.056	Oats	3.862	Trees	0.658
Flax	0.377	Pasture	10.941	Uninventoryd	2.325
Hay	7.229	Rye	0.959	Water	0.205
Idle	0.456	Soybeans	0.234	Wheat_spring	36.688
Idle_fallow	19.370				
; * %notice= .23; %special= 4.03					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1850 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.324	Mustard_seed	0.158	Sunflower	3.227
Corn	1.398	Non_agricult	4.031	Trees	0.043
Hay	10.919	Oats	5.567	Uninventoryd	0.995
Idle	4.635	Pasture	20.782	Water	0.456
Idle_fallow	21.213	Rye	0.198	Wheat_spring	24.727
Invalid_code	0.327				
%band= .80; %strip = 18.33; * %notice= 2.97					
SEGMENT 1853 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.406	Non_agricult	9.313	Uninventoryd	3.514
Flax	0.575	Oats	3.765	Water	3.999
Hay	15.863	Pasture	38.553	Wheat_spring	14.562
Idle	3.352	Rye	0.050	Wheat_winter	0.004
Idle_fallow	5.713	Trees	0.331		
* %notice= 1.90; %special= 1.95					
SEGMENT 1858 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.467	Invalid_code	0.151	Trees	0.075
Corn	1.204	Non_agricult	0.769	Uninventoryd	2.220
Flax	0.040	Oats	2.846	Water	1.369
Hay	16.050	Pasture	67.541	Wheat_spring	3.877
Idle	3.349	Rye	0.043		
* %notice= 15.64; %special= 1.01					
SEGMENT 1858 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	10.811	Non_agricult	5.361	Sunflower	6.841
Corn	5.296	Oats	3.916	Trees	0.503
Flax	1.886	Pasture	6.726	Uninventoryd	2.070
Hay	14.735	Rye	0.949	Water	2.325
Idle	6.417	Soybeans	0.366	Wheat_spring	28.823
Idle_fallow	2.975				
* %notice= 6.92; %special= 3.49					
SEGMENT 1864 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	6.564	Non_agricult	4.380	Sunflower	11.523
Corn	5.461	Oats	4.822	Trees	1.049
Flax	0.686	Pasture	10.042	Uninventoryd	8.487
Hay	11.199	Rye	2.896	Water	3.629
Idle	0.614	Soybeans	0.252	Wheat_spring	20.613
Idle_fallow	7.782				
* %notice= 4.32; %special= 4.64					
SEGMENT 1888 YEAR 1978					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	2.043	Idle_fallow	9.351	Safflower	0.244
Corn	1.559	Non_agricult	0.643	Uninventoryd	0.611
Hay	9.126	Oats	0.596	Wheat_spring	8.835
Idle	0.338	Pasture	66.653		
* %strip = 5.72; * %notice= 2.12; %special= 2.44					

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1671			YEAR 1978		
Crop	Percent		Crop	Percent	
Corn	0.025		Oats	0.816	
Hay	5.925*		Pasture	67.757	
Idle	1.987		Peanuts	0.043	
Idle_fallow	0.212		Sorghum	0.205	
Non_agricult	1.387		Soybeans	0.237	
%aband*	.19		%notice= 1.73; %special= .80		
SEGMENT 1676			YEAR 1978		
Crop	Percent		Crop	Percent	
Corn	8.196		Oats	6.291	
Hay	24.612*		Pasture	42.408	
Idle	2.081		Sorghum	4.146	
Idle_fallow	1.703		Soybeans	0.366	
Non_agricult	2.480		Sunflower	0.578	
			%notice= 12.76; %special= 1.28		
SEGMENT 1678			YEAR 1978		
Crop	Percent		Crop	Percent	
Barley	2.957		Non_agricult	6.899	
Corn	6.313		Oats	2.411	
Flax	5.749		Pasture	2.583	
Hay	12.306*		Potatoes	4.538	
Idle	7.434		Rye	3.065	
Idle_fallow	1.132		Sorghum	0.090	
			%notice= 2.71; %special= 4.82		
SEGMENT 1695			YEAR 1978		
Crop	Percent		Crop	Percent	
Corn	0.093		Oats	0.424	
Hay	7.351*		Pasture	52.001	
Idle	2.591		Peanuts	3.054	
Idle_fallow	2.432		Soybeans	0.036	
Non_agricult	0.291				
%aband*	.54		%notice= 7.05; %special= .35		
SEGMENT 1725			YEAR 1978		
Crop	Percent		Crop	Percent	
Barley	12.216		Non_agricult	8.699	
Beets_sugar	0.014		Oats	2.052	
Corn	0.101		Pasture	15.087	
Hay	20.049*		Potatoes	0.428	
Idle	0.190		Trees	24.781	
Idle_fallow	6.180				
%aband*	.02; %strip = .15;		%notice= 13.52; %special= 2.33		
SEGMENT 1731			YEAR 1978		
Crop	Percent		Crop	Percent	
Barley	2.533		Non_agricult	36.379	
Hay	0.607		Oats	0.212	
Idle	0.079		Safflower	0.074	
Idle_fallow	27.251		Uninventoryd	8.404	
			%special= 3.50		

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1788		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	4.222	Oats	5.544	Uninventoryd	1.222
Corn	6.575	Pasture	49.863	Vegetables	0.205
Hay	21.443	Rye	1.243	Water	0.029
Idle_fallow	1.347	Sorghum	4.631	wheat_spring	1.707
Non_agricult	1.674	Trees	0.295		
; * %notice= 11.53; %special= 1.28					
SEGMENT 1784		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.883	Oats	15.037	Trees	0.068
Corn	29.437	Pasture	19.028	Uninventoryd	6.265
Hay	8.968	Sorghum	0.032	Water	0.108
Idle	4.355	Soybeans	2.052	Wheat_winter	0.036
Non_agricult	6.730				
; * %notice= 3.75					
SEGMENT 1811		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.511	Idle_fallow	0.478	Sorghum	0.675
Corn	23.426	Non_agricult	3.640	Trees	1.035
Flax	3.812	Oats	9.004	Uninventoryd	17.861
Hay	12.277	Pasture	3.363	Water	4.800
Idle	7.632	Rye	0.532	Wheat_spring	8.954
; * %notice= 1.44; %special= 3.22					
SEGMENT 1825		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	4.793	Oats	8.318	Trees	24.698
Corn	3.708	Pasture	1.232	Uninventoryd	26.365
Flax	0.122	Rye	0.381	Water	0.022
Hay	4.944	Soybeans	0.611	Wheat_spring	12.694
Idle_fallow	3.424	Sunflower	7.039	Wheat_winter	0.313
Non_agricult	1.337				
%aband= .19		; * %notice= .96; %special= 4.05			
SEGMENT 1842		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.604	Non_agricult	1.764	Uninventoryd	22.966
Corn	28.112	Oats	2.673	Water	0.852
Flax	0.108	Sorghum	0.241	Wheat_spring	8.523
Hay	0.887	Soybeans	27.134	Wheat_winter	0.068
Idle	5.821	Trees	0.147		
; * %notice= .12; %special= 1.96					
SEGMENT 1850		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Hay	4.064	Non_agricult	0.783	Water	0.093
Idle	21.019	Pasture	43.342	Wheat_winter	25.251
Idle_fallow	4.067	Uninventoryd	1.380		
%aband= .55		; %special= 8.47			

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1861		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Hay	1.703	Pasture	15.924	Water	0.057
Idle_fallow	37.220	Sorghum	0.140	Wheat_winter	43.669
Non_agricult	0.216	Uninventoryd	1.071		
%aband= 8.85				%special= 6.44	
SEGMENT 1872		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	35.204	Oats	2.213	Uninventoryd	7.646
Hay	4.304	Pasture	1.046	Water	1.204
Idle	4.085	Soybeans	36.145	Wheat_spring	3.058
Non_agricult	4.322	Trees	0.772		
		%notice=	.99		
SEGMENT 1876		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Hay	2.576	Non_agricult	1.143	Uninventoryd	0.963
Idle	3.032	Oats	0.140	Water	1.049
Idle_fallow	0.740	Pasture	67.872	Wheat_winter	18.278
Invalid_code	0.887	Sorghum	3.320		
		%notice=	.34	%special= 3.98	
SEGMENT 1877		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	3.809	Idle_fallow	0.514	Trees	0.977
Beans	0.065	Non_agricult	3.370	Uninventoryd	0.715
Beets_sugar	1.721	Oats	0.481	Water	1.538
Corn	7.779	Pasture	67.742	Wheat_spring	0.061
Hay	8.814	Sorghum	0.208	Wheat_winter	0.952
Idle	1.254				
%aband= .13		%notice= 2.48		%special= .33	
SEGMENT 1880		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Hay	5.192	Oats	0.399	Uninventoryd	4.897
Idle	2.307	Pasture	39.174	Water	0.093
Idle_fallow	16.242	Sorghum	7.617	Wheat_winter	20.978
Non_agricult	2.174	Trees	0.927		
%aband= .97		%strip= .46		%notice= .24	
				%special= 2.83	
SEGMENT 1883		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.154	Oats	0.841	Uninventoryd	0.819
Hay	6.812	Pasture	150.622	Water	0.302
Idle	4.524	Sorghum	15.709	Wheat_spring	0.320
Idle_fallow	0.219	Soybeans	0.463	Wheat_winter	15.206
Non_agricult	1.243	Trees	2.767		
		%notice= 2.17		%special= 2.32	
SEGMENT 1890		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	3.187	Pasture	6.902	Trees	0.729
Hay	19.434	Rye	0.356	Uninventoryd	1.699
Idle	15.813	Sorghum	16.707	Water	0.072
Non_agricult	3.007	Soybeans	1.279	Wheat_winter	30.813
%aband= .16				%special= 3.72	

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, continued.

SEGMENT 1891		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Hay	1.664*	Oats	0.212	Uninventoryd	0.517
Idle	2.271	Pasture	12.971	Water	0.234
Idle_fallow	20.721	Sorghum	13.366	Wheat_winter	46.102
Non_agricult	0.719	Trees	1.225		
				; * %notice= .25; %special= 4.55	
SEGMENT 1909		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.059	Invalid_code	0.532	Rye	0.571
Corn	1.405	Non_agricult	8.972	Uninventoryd	2.921
Hay	36.149*	Oats	4.092	Water	10.757
Idle	3.503	Pasture	11.853	Wheat_upring	15.292
Idle_fallow	1.894				
				; * %notice= 3.41; %special= 2.06	
SEGMENT 1918		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.872	Invalid_code	0.370	Trees	0.093
Corn	3.546	Non_agricult	1.096	Uninventoryd	3.668*
Flax	0.083	Oats	7.078	Water	0.183
Hay	13.474*	Pasture	56.248	Wheat_spring	5.943
Idle_fallow	5.580	Safflower	0.032	Wheat_winter	0.733
				; %strip = .16; * %notice= 2.84; %special= 2.00	
SEGMENT 1920		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.474	Mustard_seed	0.183	Sorghum	0.111
Corn	0.913	Non_agricult	1.182	Trees	0.859
Flax	0.765	Oats	4.551	Uninventoryd	0.593
Hay	18.594*	Pasture	44.700	Water	1.301
Idle	1.854	Rye	0.165	Wheat_spring	18.455
Idle_fallow	5.300				
				%aband= 1.36; %strip = .52; * %notice= 11.78; %special= 2.70	
SEGMENT 1924		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	1.358	Non_agricult	4.157	Sunflower	4.297
Corn	2.008	Oats	4.779	Trees	0.122
Flax	1.319	Pasture	14.386	Uninventoryd	11.993*
Hay	9.155*	Rye	1.947	Water	0.762
Idle	3.456	Safflower	0.586	Wheat_spring	28.683
Idle_fallow	10.351	Sorghum	0.640		
				; * %notice= 2.33; %special= 2.34	
SEGMENT 1938		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	7.549	Non_agricult	0.510	Uninventoryd	16.876*
Beets_sugar	1.295	Oats	0.239	Water	0.704
Hay	4.567*	Pasture	9.051	Wheat_spring	6.760
Idle	0.176	Trees	1.365	Wheat_winter	19.019
Idle_fallow	31.888				
				; %strip = 8.52; * %notice= 2.08; %special= 1.67	

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TABLE 8. GROUND TRUTH SUMMARY DATA FOR 1978, concluded.

SEGMENT 1942		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	2.820	Non_agricult	53.349	Uninventoryd	5.634
Hay	1.994	Oats	0.460	Water	0.183
Idle	1.588	Pasture	0.097	Wheat_spring	11.922
Idle_fallow	11.679	Safflower	2.285	Wheat_winter	7.989
%aband= 1.48;		%strip = 1.70;		%notice= .68;	%special= 3.07
SEGMENT 1948		YEAR 1978			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	3.733	Non_agricult	60.617	Wheat_spring	2.016
Hay	4.976	Uninventoryd	4.437	Wheat_winter	9.042
Idle_fallow	14.992	Water	0.187		
		%strip = 3.62;		%notice= .47;	%special= 2.91

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979.

SEGMENT 102 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	0.043	Pasture	0.636	Trees	12.841
Idle_fallow	0.553	Rice	29.890	Uninventoryd	2.271*
Mixed_field	0.047	Sorghum	5.073	Water	0.345
Non_agricult	1.595	Soybeans	46.705		
; * %notice= 1.92					
SEGMENT 103 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.140	Non_agricult	2.565	Trees	1.347
Cotton	33.210	Pasture	2.925	Uninventoryd	14.534*
Hay	0.658	Rice	7.851	Vegetables	0.047
Idle_fallow	0.963	Soybeans	26.444	Water	2.317
; * %notice= .46					
SEGMENT 107 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	49.630	Oats	1.232	Trees	1.865
Hay	4.502	Pasture	1.595	Uninventoryd	9.899*
Idle_fallow	0.093	Soybeans	27.407	Vegetables	0.654
Mixed_field	0.535*	Sunflower	0.543	Wheat_winter	0.988
Non_agricult	1.056				
; * %notice= .76					
SEGMENT 123 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	29.664	Oats	0.341	Trees	11.706
Hay	1.804	Pasture	2.792	Uninventoryd	9.557*
Idle_fallow	0.690	Rye	0.075	Water	3.388
Mixed_field	0.341*	Soybeans	30.242	Wheat_winter	3.482
Non_agricult	5.918				
; * %notice= .49					
SEGMENT 127 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	47.866	Oats	0.305	Trees	5.181
Hay	0.571	Pasture	2.249	Uninventoryd	0.528*
Mixed_field	0.054*	Soybeans	34.543	Wheat_winter	3.025
Non_agricult	5.677				
; * %notice= .24					
SEGMENT 133 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	29.502	Pasture	2.957	Trees	16.697
Hay	7.574	Rye	0.101	Uninventoryd	16.431*
Idle_fallow	3.176	Sorghum	0.266	Water	0.151
Non_agricult	2.307	Soybeans	14.940	Wheat_winter	5.314
Oats	0.586				
; * %notice= .06					
SEGMENT 144 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	19.039	Oats	1.006	Trees	29.976
Hay	4.308	Pasture	16.294	Uninventoryd	3.255*
Idle_fallow	0.298	Sorghum	0.111	Water	3.137
Non_agricult	1.911	Soybeans	20.609	Wheat_winter	0.054
; * %notice= .22					

TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 148 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	30.896	Non_agricult	8.339	Trees	9.891
Hay	9.069	Oats	1.786	Uninventoryd	3.906*
Idle_fallow	0.388	Pasture	19.355	Water	0.327
Mixed_field	0.230*	Soybeans	15.813		
: * %notice= 1.47					
SEGMENT 174 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.259	Peanuts	2.091	Soybeans	27.052
Cotton	27.935	Potatoes	0.575	Trees	13.233
Idle_fallow	1.452	Rice	22.395	Uninventoryd	0.852*
Non_agricult	1.850	Sorghum	0.862	Water	0.600
Pasture	0.844				
: * %notice= .35					
SEGMENT 187 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.011	Non_agricult	2.346	Trees	33.375
Corn	1.656	Pasture	20.214	Uninventoryd	0.963*
Cotton	10.441	Potatoes	0.101	Vegetables	0.744
Hay	0.467	Sorghum	0.895	Water	0.449
Idle_fallow	1.419	Soybeans	26.771	Wheat_winter	0.147
: * %notice= .44					
SEGMENT 209 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	12.313	Oats	0.119	Trees	14.638
Hay	7.808	Pasture	33.422	Uninventoryd	2.465*
Idle_fallow	0.949	Sorghum	1.002	Water	0.057
Non_agricult	0.758	Soybeans	24.414	Wheat_winter	2.055
: * %notice= .32					
SEGMENT 217 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	9.694	Pasture	21.202	Trees	11.562
Hay	5.630	Sorghum	2.095	Uninventoryd	3.507*
Idle_fallow	1.707	Soybeans	29.746	Water	0.075
Mixed_field	0.395*	Sugar_cane	0.212	Wheat_winter	6.536
Non_agricult	6.676	Tobacco	0.963		
: * %notice= 1.13					
SEGMENT 230 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	16.927	Oats	0.366	Uninventoryd	12.737*
Hay	5.005	Pasture	5.231	Water	5.821
Mixed_field	0.140*	Soybeans	22.032	Wheat_winter	1.728
Non_agricult	13.474	Trees	16.539		
: * %notice= .57					

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 260		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	4.146	Mixed_field	1.592-	Soybeans	0.165
Beans	5.124	Non_agricult	8.030	Trees	14.570
Beets_sugar	0.564	Pasture	3.119	Uninventoryd	1.865-
Corn	5.113	Rice	27.777	Vegetables	0.611
Hay	7.520	Safflower	5.066	Water	4.168
Idle_fallow	0.040	Sorghum	0.503	Wheat_winter	10.028
: * %notice= 2.30					
SEGMENT 261		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Barley	23.505	Mixed_field	0.927*	Trees	0.169
Beets_sugar	7.125	Non_agricult	3.029	Uninventoryd	8.203-
Corn	0.280	Pasture	0.101	Water	0.561
Cotton	33.278	Rice	0.266	Wheat_winter	0.036
Hay	22.521	: * %notice= 5.75			
SEGMENT 263		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Beans	0.632	Idle_fallow	6.870	Soybeans	0.499
Corn	0.607	Millet	1.735	Trees	39.976
Cotton	23.545	Non_agricult	4.746	Uninventoryd	11.907*
Hay	6.342	Sorghum	0.054	Water	3.086
: * %notice=11.16					
SEGMENT 264		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.467	Idle_fallow	8.882	Uninventoryd	0.284
Corn	2.418	Non_agricult	43.037	Vegetables	0.895
Cotton	29.502	Sorghum	0.578	Water	0.065
Hay	11.454	Trees	2.418		
SEGMENT 268		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Idle_fallow	3.331	Rice	32.711	Uninventoryd	8.181
Non_agricult	4.631	Soybeans	46.705	Water	0.503
Pasture	3.834	Trees	0.104		
SEGMENT 273		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	32.818	Non_agricult	2.414	Trees	15.867
Hay	1.757	Pasture	6.496	Uninventoryd	1.265-
Idle_fallow	1.441	Potatoes	0.180	Vegetables	0.057
Mixed_field	0.887*	Soybeans	36.401	Water	0.417
: * %notice= 2.05					
SEGMENT 274		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	12.752	Sorghum	0.363	Uninventoryd	3.460-
Hay	16.014	Soybeans	29.462	Water	9.234
Non_agricult	7.653	Trees	21.062		
: * %notice= 1.56					

TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 275 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	7.118	Non_agricult	1.268	Soybeans	5.285
Cotton	19.873	Pasture	23.024	Trees	6.385
Hay	2.576	Rice	2.799	Uninventoryd	1.056
Idle_fallow	1.958	Sorghum	27.397	Water	1.261
; * %notice= .58					
SEGMENT 276 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	11.242	Pasture	22.783	Soybeans	21.256
Idle_fallow	2.167	Rice	34.838	Trees	1.638
Non_agricult	3.327	Sorghum	2.238	Uninventoryd	0.410
SEGMENT 277 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	0.129	Pasture	21.299	Trees	0.356
Idle_fallow	21.942	Rice	36.551	Uninventoryd	0.223
Non_agricult	5.095	Soybeans	14.361	Water	0.043
; * %notice= .16					
SEGMENT 278 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Hay	0.424	Rice	8.332	Uninventoryd	1.599
Idle_fallow	4.333	Sorghum	0.036	Vegetables	0.014
Non_agricult	13.362	Soybeans	11.821	Water	0.068
Pasture	6.586	Trees	53.424		
SEGMENT 282 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	1.660	Non_agricult	1.470	Uninventoryd	1.484
Cotton	24.407	Oats	0.636	Vegetables	0.061
Hay	3.158	Pasture	21.026	Wheat_winter	4.728
Idle_fallow	5.587	Sorghum	35.783		
1 %aband= .22					
SEGMENT 285 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	7.930	Oats	0.359	Soybeans	1.685
Hay	0.866	Pasture	20.114	Uninventoryd	0.945
Idle_fallow	23.516	Rice	2.249	Vegetables	0.481
Non_agricult	10.563	Sorghum	10.341	Wheat_winter	20.951
1 %aband= 6.47 ; * %notice= .75					
SEGMENT 288 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	2.447	Non_agricult	2.709	Trees	1.868
Cotton	0.463	Oats	2.059	Uninventoryd	0.359
Hay	9.618	Pasture	53.844	Water	0.729
Idle_fallow	6.945	Sorghum	11.264	Wheat_winter	7.693
; * %notice= .36					

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 290		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	33.289	Pasture	51.753	Vegetables	0.101
Hay	4.987	Sorghum	2.059	Water	0.022
Idle_fallow	0.650	Trees	1.829	Wheat_winter	1.207
Non_agricult	2.504	Uninventoryd	1.599*		
%aband= .14				* %notice= .36	
SEGMENT 292		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	2.785	Non_agricult	3.392	Trees	29.333
Cotton	36.426	Pasture	1.243	Uninventoryd	1.096*
Hay	0.075	Sorghum	3.683	Vegetables	1.013
Idle_fallow	2.149	Sugar_cane	14.185	Water	3.995
Mixed_field	0.072*	Sunflower	0.553		
%aband= .45				* %notice= .85	
SEGMENT 297		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	9.284	Pasture	0.154	Trees	21.227
Idle_fallow	0.927	Rice	7.276	Uninventoryd	0.435
Millet	0.219	Soybeans	55.770	Water	4.707
SEGMENT 299		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.420	Oats	0.047	Trees	7.628
Hay	6.219	Pasture	28.015	Uninventoryd	2.332*
Idle_fallow	0.539	Sorghum	0.629	Water	0.180
Mixed_field	0.219*	Soybeans	50.381	Wheat_winter	0.057
Non_agricult	3.334				
				* %notice= 1.84	
SEGMENT 301		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.115	Non_agricult	1.750	Uninventoryd	4.243*
Corn	0.287	Pasture	16.388	Vegetables	0.589
Idle_fallow	0.665	Soybeans	32.800	Water	0.126
Mixed_field	0.747*	Trees	42.289		
				* %notice= 4.54	
SEGMENT 302		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.622	Soybeans	43.080	Water	0.057
Non_agricult	10.387	Trees	9.697	Wheat_winter	0.517
Rice	35.042	Uninventoryd	0.596*		
				* %notice= .12	
SEGMENT 304		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Non_agricult	10.822	Soybeans	41.521	Uninventoryd	0.072
Rice	43.917	Trees	3.288	Water	0.381
SEGMENT 308		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Cotton	4.937	Pasture	0.036	Trees	0.104
Millet	0.672	Rice	3.507	Uninventoryd	0.097
Non_agricult	1.743	Soybeans	88.905		

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 311 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	11.602	Pasture	5.752	Trees	31.593
Cotton	1.056	Peanuts	3.104	Uninventoryd	11.375*
Hay	0.363	Rye	0.823	Vegetables	0.208
Idle_fallow	4.434	Soybeans	20.961	Water	0.216
Millet	0.040	Sunflower	0.047	Wheat_winter	1.081
Non_agricult	7.344				
; * %notice= 6.93					
SEGMENT 313 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	34.137	Non_agricult	5.939	Trees	28.773
Hay	0.370	Pasture	2.195	Uninventoryd	1.531*
Idle_fallow	0.158	Rye	0.079	Water	0.715
Millet	0.047	Soybeans	24.519	Wheat_winter	1.538
; * %notice= .18					
SEGMENT 314 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	7.897	Soybeans	44.593	Vegetables	2.203
Hay	0.460	Trees	31.913	Water	1.171
Idle_fallow	0.417	Uninventoryd	4.851*	Wheat_winter	0.075
Non_agricult	6.421				
; * %notice= 2.83					
SEGMENT 317 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	12.381	Pasture	1.462	Uninventoryd	3.237*
Hay	0.194	Rye	0.097	Vegetables	4.531
Idle_fallow	3.040	Soybeans	26.006	Water	0.970
Non_agricult	5.170	Trees	42.911		
; * %notice= 2.95					
SEGMENT 318 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	14.289	Non_agricult	8.415	Uninventoryd	2.113*
Hay	0.456	Pasture	1.394	Vegetables	1.814
Idle_fallow	1.035	Soybeans	31.467	Water	0.198
Invalid_code	0.014	Trees	38.804		
; * %notice= 1.31					
SEGMENT 320 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Barley	0.614	Oats	1.419	Trees	33.232
Corn	23.505*	Pasture	0.471	Uninventoryd	6.316*
Hay	11.153	Rye	0.140	Vegetables	0.104
Idle_fallow	0.083	Sorghum	0.093	Water	0.043
Mixed_field	6.773*	Soybeans	1.419	Wheat_winter	3.101
Non_agricult	11.329	Tobacco	0.205		
; * %notice= 10.93					

TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 323		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	2.889	Pasture	30.885	Trees	0.040
Hay	7.150	Sorghum	44.697	Uninventoryd	0.737*
Idle_fallow	7.071	Soybeans	0.201	Wheat_winter	5.752
Non_agricult	0.578				
		: * %notice= .10			
SEGMENT 325		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	1.390	Dats	0.115	Trees	3.140
Corn	3.273	Pasture	25.550	Uninventoryd	4.696*
Hay	8.271	Rye	1.099	Water	1.523
Idle_fallow	4.912	Sorghum	19.664	Wheat_winter	25.025
Non_agricult	1.340				
		: * %notice= 2.14			
SEGMENT 327		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	27.138	Dats	0.072	Trees	0.065
Hay	4.926	Pasture	1.347	Uninventoryd	38.208*
Idle_fallow	1.017	Sorghum	5.055	Water	0.201
Non_agricult	4.847	Soybeans	17.067	Wheat_winter	0.057
		: * %notice= .19			
SEGMENT 329		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	0.032	Non_agricult	4.930	Trees	1.182
Hay	0.467	Pasture	24.012	Uninventoryd	12.953*
Idle_fallow	12.917	Rice	21.371	Vegetables	0.022
Mixed_field	0.029*	Soybeans	21.741	Water	0.345
		: * %notice= .55			
SEGMENT 330		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	9.723	Non_agricult	4.035	Trees	49.077
Hay	2.630	Pasture	6.902	Uninventoryd	1.937*
Idle_fallow	1.121	Peanuts	0.837	Water	0.884
Millet	0.237	Soybeans	22.618		
		: * %notice= .69			
SEGMENT 331		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	16.596*	Pasture	5.059	Trees	48.196
Hay	0.507	Peanuts	2.903	Uninventoryd	1.865*
Idle_fallow	0.273	Sorghum	0.456	Vegetables	0.463
Mixed_field	0.147*	Soybeans	19.517	Water	1.599
Non_agricult	2.156	Tobacco	0.144	Wheat_winter	0.119
		: * %notice= 2.36			
SEGMENT 333		YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent
Corn	14.588	Mixed_field	0.234*	Trees	30.896
Cotton	1.214	Non_agricult	3.633	Uninventoryd	5.228*
Hay	3.625	Pasture	3.122	Vegetables	0.068
Idle_fallow	1.441	Peanuts	9.403	Water	0.805
Millet	0.234	Soybeans	25.510		
		: * %notice= 4.69			

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 336 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	6.830	Pasture	0.780	Trees	53.011
Hay	0.018	Soybeans	27.817	Uninventoryd	6.212*
Idle_fallow	0.668	Sunflower	0.284	Vegetables	0.525
Millet	0.047	Tobacco	1.013	Wheat_winter	0.018
Non_agricult	2.777				
; * %notice= 5.61					
SEGMENT 337 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	8.584	Pasture	6.069	Uninventoryd	2.332*
Cotton	0.169	Peanuts	0.129	Vegetables	1.046
Hay	2.195	Rye	0.187	Water	0.661
Idle_fallow	1.549	Soybeans	34.291	Wheat_spring	0.478
Non_agricult	2.267	Trees	39.264	Wheat_winter	0.582
Oats	0.198				
; * %notice= .96					
SEGMENT 338 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	2.529	Pasture	2.077	Trees	61.541
Cotton	16.057	Soybeans	14.641	Uninventoryd	2.105*
Idle_fallow	0.262	Tobacco	0.417	Water	0.068
Non_agricult	0.302				
; * %notice= .76					
SEGMENT 339 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	3.187	Pasture	2.989	Trees	39.868
Cotton	14.516	Peanuts	1.254	Uninventoryd	3.270*
Hay	0.798	Rye	0.065	Vegetables	0.050
Idle_fallow	4.114	Soybeans	22.158	Water	0.338
Non_agricult	5.321	Sunflower	1.394	Wheat_winter	0.248
Oats	0.366	Tobacco	0.085		
; * %notice= .64					
SEGMENT 341 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	19.528	Pasture	2.303	Trees	50.201
Hay	0.219	Potatoes	0.057	Uninventoryd	3.036*
Idle_fallow	0.072	Sorghum	0.054	Vegetables	0.309
Mixed_field	0.040*	Soybeans	13.678	Water	0.366
Non_agricult	2.896	Tobacco	7.240		
; * %notice= 2.06					
SEGMENT 343 YEAR 1979					
Crop	Percent	Crop	Percent	Crop	Percent
Corn	22.686	Pasture	0.855	Trees	43.303
Hay	0.172	Potatoes	0.481	Uninventoryd	2.569*
Idle_fallow	1.373	Soybeans	19.582	Vegetables	0.507
Non_agricult	5.580	Tobacco	2.892		
; * %notice= .58					

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 345				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.115	Non_agricult	1.624	Uninventoryd	4.558*		
Corn	0.287	Pasture	18.543	Vegetables	0.772		
Idle_fallow	0.683	Soybeans	47.629	Water	0.126		
Mixed_field	0.747*	Trees	24.914				
				* %notice=	4.86		
SEGMENT 804				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	41.898	Oats	2.472	Trees	0.176		
Hay	3.309	Pasture	7.538	Uninventoryd	3.543*		
Non_agricult	6.442	Soybeans	34.600	Water	0.022		
				* %notice=	.08		
SEGMENT 812				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Cotton	9.022	Rice	33.530	Uninventoryd	4.897		
Non_agricult	3.180	Soybeans	40.626	Water	0.571		
Pasture	1.193	Trees	0.938	Wheat_winter	6.043		
SEGMENT 824				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	41.204	Oats	0.111	Trees	0.028		
Hay	0.532	Pasture	0.359	Uninventoryd	17.688		
Non_agricult	3.783	Soybeans	36.275	Water	0.018		
SEGMENT 828				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	47.754	Non_agricult	6.697	Soybeans	28.234		
Hay	0.546	Oats	0.499	Uninventoryd	15.044*		
Idle_fallow	0.047	Pasture	0.172	Wheat_winter	1.006		
				* %notice=	.06		
SEGMENT 837				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Beets_sugar	0.054	Non_agricult	4.330	Uninventoryd	4.840*		
Corn	42.724	Oats	0.248	Vegetables	0.356		
Hay	1.178	Pasture	5.530	Water	0.111		
Idle_fallow	0.420	Soybeans	34.971	Wheat_winter	0.956		
Mixed_field	0.165*	Trees	4.118				
				* %notice=	.24		
SEGMENT 843				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	31.769	Oats	0.316	Uninventoryd	7.455*		
Hay	1.337	Pasture	6.101	Water	0.061		
Idle_fallow	1.667	Soybeans	32.035	Wheat_winter	3.140		
Non_agricult	7.225	Trees	8.893				
				* %notice=	1.68		
SEGMENT 851				YEAR 1979			
Crop	Percent	Crop	Percent	Crop	Percent	Crop	Percent
Corn	49.066	Oats	0.104	Trees	6.460		
Hay	0.697	Pasture	3.076	Uninventoryd	2.073*		
Idle_fallow	0.208	Soybeans	35.754	Wheat_winter	0.381		
Non_agricult	2.181						
				* %notice=	.94		

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 884		YEAR 1970	
Crop	Percent	Crop	Percent
Beets_sugar	0.083	Dats	0.065
Corn	50.568	Pasture	0.334
Hay	0.690	Soybeans	38.107
Non_agricult	4.470		
		* %notice= .42	

SEGMENT 885		YEAR 1970	
Crop	Percent	Crop	Percent
Corn	30.336	Pasture	10.319
Hay	2.419	Soybeans	24.886
Non_agricult	2.375	Trees	20.076
Dats	0.936		
		* %notice= .82	

SEGMENT 883		YEAR 1970	
Crop	Percent	Crop	Percent
Corn	37.101	Dats	1.470
Hay	3.212	Pasture	6.478
Idle_fallow	0.230	Soybeans	33.788
Non_agricult	4.152		
%aband= .32		* %notice= 2.55	

SEGMENT 886		YEAR 1970	
Crop	Percent	Crop	Percent
Corn	46.874	Non_agricult	6.360
Hay	4.696	Dats	2.368
Idle_fallow	0.460	Pasture	6.327
Mixed_field	0.137	Soybeans	26.836
		* %notice= .36	

SEGMENT 882		YEAR 1970	
Crop	Percent	Crop	Percent
Corn	52.716	Dats	4.527
Hay	9.726	Pasture	5.652
Idle_fallow	0.819	Sorghum	0.126
Mixed_field	0.273	Soybeans	15.126
Non_agricult	5.594		
		* %notice= .31	

SEGMENT 883		YEAR 1970	
Crop	Percent	Crop	Percent
Corn	42.052	Dats	1.962
Hay	1.606	Pasture	1.714
Non_agricult	2.425	Soybeans	36.314
%aband= 1.22		* %notice= .21	

SEGMENT 1218		YEAR 1970	
Crop	Percent	Crop	Percent
Cotton	36.684	Non_agricult	0.180
Hay	4.556	Pasture	22.118
Idle_fallow	5.001	Rye	0.050
Mixed_field	23.311	Trees	0.884
		* %notice= .19	

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TABLE 9. GROUND TRUTH SUMMARY DATA FOR 1979, continued.

SEGMENT 1871			YEAR 1979		
Crop	Percent		Crop	Percent	
Barley	0.320		Non_agricult	1.013	
Corn	1.574		Oats	2.817	
Hay	9.647		Pasture	56.284	
Idle_fallow	8.979		Strip_field	0.334	
%aband=	.13		%strip=	3.64	
			%notice=	1.65	
SEGMENT 1886			YEAR 1979		
Crop	Percent		Crop	Percent	
Barley	0.065		Non_agricult	0.726	
Beets_sugar	0.226		Oats	0.399	
Corn	3.877		Pasture	33.717	
Hay	3.392		Sorghum	18.295	
Idle_fallow	6.633				
			%notice=	1.47	
SEGMENT 1812			YEAR 1979		
Crop	Percent		Crop	Percent	
Corn	1.207		Mixed_field	0.837	
Flax	0.711		Non_agricult	1.293	
Hay	24.299		Oats	4.387	
Idle_fallow	9.521		Pasture	33.964	
Millet	1.024				
%aband=	.73		%notice=	1.17	
SEGMENT 1827			YEAR 1979		
Crop	Percent		Crop	Percent	
Hay	2.644		Oats	0.543	
Idle_fallow	14.131		Pasture	52.314	
Non_agricult	1.006		Trees	0.201	
			%strip=	1.62	
			%notice=	1.29	
SEGMENT 1830			YEAR 1979		
Crop	Percent		Crop	Percent	
Barley	0.640		Non_agricult	1.818	
Corn	0.650		Oats	1.850	
Hay	11.048		Pasture	52.052	
Idle_fallow	12.367		Rye	0.050	
Mixed_field	2.073				
			%notice=	2.07	
SEGMENT 1836			YEAR 1979		
Crop	Percent		Crop	Percent	
Barley	0.870		Non_agricult	2.454	
Corn	1.448		Oats	1.940	
Flax	1.056		Pasture	13.190	
Hay	6.467		Rye	0.187	
Idle_fallow	13.855		Soybeans	0.172	
SEGMENT 1853			YEAR 1979		
Crop	Percent		Crop	Percent	
Hay	15.403		Oats	2.235	
Idle_fallow	10.262		Pasture	50.884	
Mixed_field	0.126		Rye	0.122	
Non_agricult	1.477		Sunflower	0.819	
			%notice=	1.11	
Crop	Percent		Crop	Percent	
			Trees	0.140	
			Uninventoryd	1.843	
			Water	3.288	
			Wheat_spring	13.402	

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